

PRIORITY

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1971 JUL 15 PM 12 59

008

ZNR UUUUU

J.S. ATOMIC ENERGY COMM  
TWX UNIT

AECW

P 151641Z JUL 71

FM MR W C SEIDEL SR REACTOR INSPECTOR REG II DIV OF COMPLIANCE USAEC  
ATLANTA GA

TO J G KEPPLER CHF REACTOR TESTING AND OPERATIONS BR DIV OF COMPLIANCE  
USAEC GERMANTOWN MD

BT

UNCLAS

SUBJECT: LOCKHEED AIRCRAFT CORP (RER) LICENSE R-86 DOCKET 50-172  
(REF: CO REPORT 50-172/71-2)

REG II HAS DETERMINED BY INSPECTION THAT THOSE ACTIONS REQUIRED IN  
SECTION B&D OF THE LOCKHEED DECOMMISSIONING PLAN DATED 4-12-71 HAVE  
BEEN SATISFACTORILY COMPLETED. THE 56 IRRADIATED FUEL ASSEMBLIES AND  
8 IRRADIATED CONTROL ASSEMBLIES WERE SHIPPED TO SAVANNAH RIVER PROJECT.  
THE RER CER AND SDR CONTROL ROD DRIVE WERE DISPOSED OF AS A RADIO ACTIVE

WASTE BY CHEM-NUCLEAR CORP. THE 38 UNIRRADIATED FUEL ASSEMBLIES WERE  
SHIPPED TO OAK RIDGE (SEE CO REPORT 50-172/71-1).

ADDITIONALLY THE 2 LOCKHEED TOUR REACTORS WERE PURCHASED BY THE AEC  
DIVISION OF TECHNICAL INFORMATION AND BOTH UNITS HAVE BEEN RELOCATED  
IN OAK RIDGE. BASED ON THE ABOVE FINDINGS REG II RECOMMENDS THAT AEC  
LICENSE R-86 BE TERMINATED AND THAT CONCURRENTLY WITH TERMINATION  
OF LICENSE R-86 ALL CONCERNED AREAS OF THE FACILITY BE PLACED UNDER  
A STATE OF GEORGIA BYPRODUCT MATERIALS LICENSE.

BT

8506060352 841207  
PDR FOIA  
BREMAN84-737 PDR



# Department of Natural Resources

ENVIRONMENTAL PROTECTION DIVISION

270 WASHINGTON STREET, S.W.

ATLANTA, GEORGIA 30334

JOE D. TANNER  
Commissioner

J. LEONARD LEDBETTER  
Division Director

January 19, 1977

## MEMORANDUM

To: Joe D. Tanner, Commissioner  
Department of Natural Resources

Thru: J. Leonard Ledbetter, Director  
Environmental Protection Division

From: James L. Setser, Chief  
Program Coordination Branch

Subject: Recommended Protection Measures For Dawson Forest  
Wildlife Management Area

The environmental radiation field team has completed a detailed survey of five areas located in a 10,000 acre tract known as the Dawson Forest Wildlife Management Area.

Whereas detectable amounts of radiation were found in all five areas, two of the locations (hot cell area and cooling off area) showed radiation levels considerably in excess of U. S. Nuclear Regulatory Commission (NRC) guidelines for limits prior to release for unrestricted use. The radiation levels in the same two areas are also in excess of the release limits established by the Georgia Radiological Health Unit in 1972. It also appears that the particulate matter containing the radioactive isotopes is loosely bound in the soil and on other surfaces such that contact with the area by people might result in inhalation of such particles. Protective measures should, therefore, be instituted to minimize the exposure of people to the radiation in the two areas.

Because of the physical and chemical properties of the material involved, its removal to a burial site does not appear to be practical from a health physics standpoint. The following protective measures are hereby recommended:

1. Hot Cell Area (Figures No. 1 and 2)
  - a. Place the dozen hot cell concrete roof slabs inside the former hotcell two story concrete building which is in the immediate area.

- b. Block and seal any outside openings of the old hot cell building i.e., brick and mortar to seal doors and windows; fill port holes with concrete; seal small hole in the roof to keep out water.
  - c. Spread fill dirt (approx. 2 ft. in depth) in 150-200 ft. radial arc on the northwest end and in a 100 ft. by 12 ft. area on the southwest side.
  - d. After the fill dirt is in place, sow the area with grass seed.
  - e. Place fencing (cyclone, etc) around the area (see Figure No. 2).
  - f. Post appropriate hazardous area signs on each side of the fenced area i.e., 18" x 6" metal sign marked: "POSTED-NO TRESPASSING"
2. Cooling Off Area (Figure Nos. 1 and 3)
- a. Place fencing (cyclone, etc.) around the area of approximately 300 ft. by 300 ft. (see Figure No. 3)
  - b. Post appropriate hazardous area signs every 25 feet on each side of the fenced area i.e., 18" x 6" metal sign marked:  
"POSTED-NO TRESPASSING" "HAZARDOUS AREA"

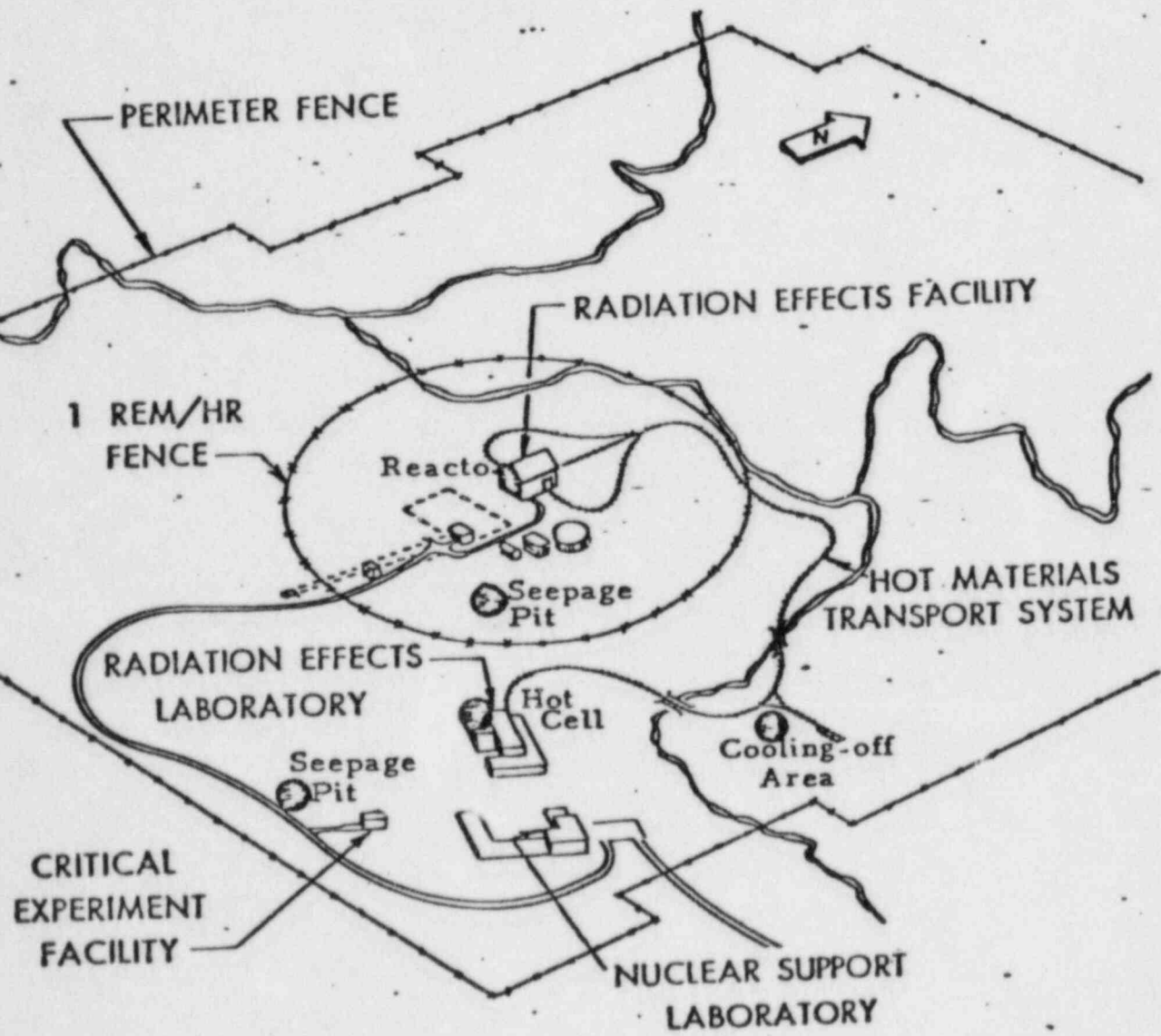
In addition to the recommended protective measures, periodic surveillance on an annual basis should be instituted to monitor dose levels, movement of contamination, ground and surface water radiation levels, and selected wildlife radioactivity levels. The surveillance will be performed by EPD's Environmental Radiation Survey team.

The complete report prepared by the Environmental Radiation Survey Team is attached as the basis for the recommendations presented in this memorandum. The EPD staff will be available to work with you or others regarding this matter.

JLS:egb

FIGURE 1

LAC 147



PLOT PLAN



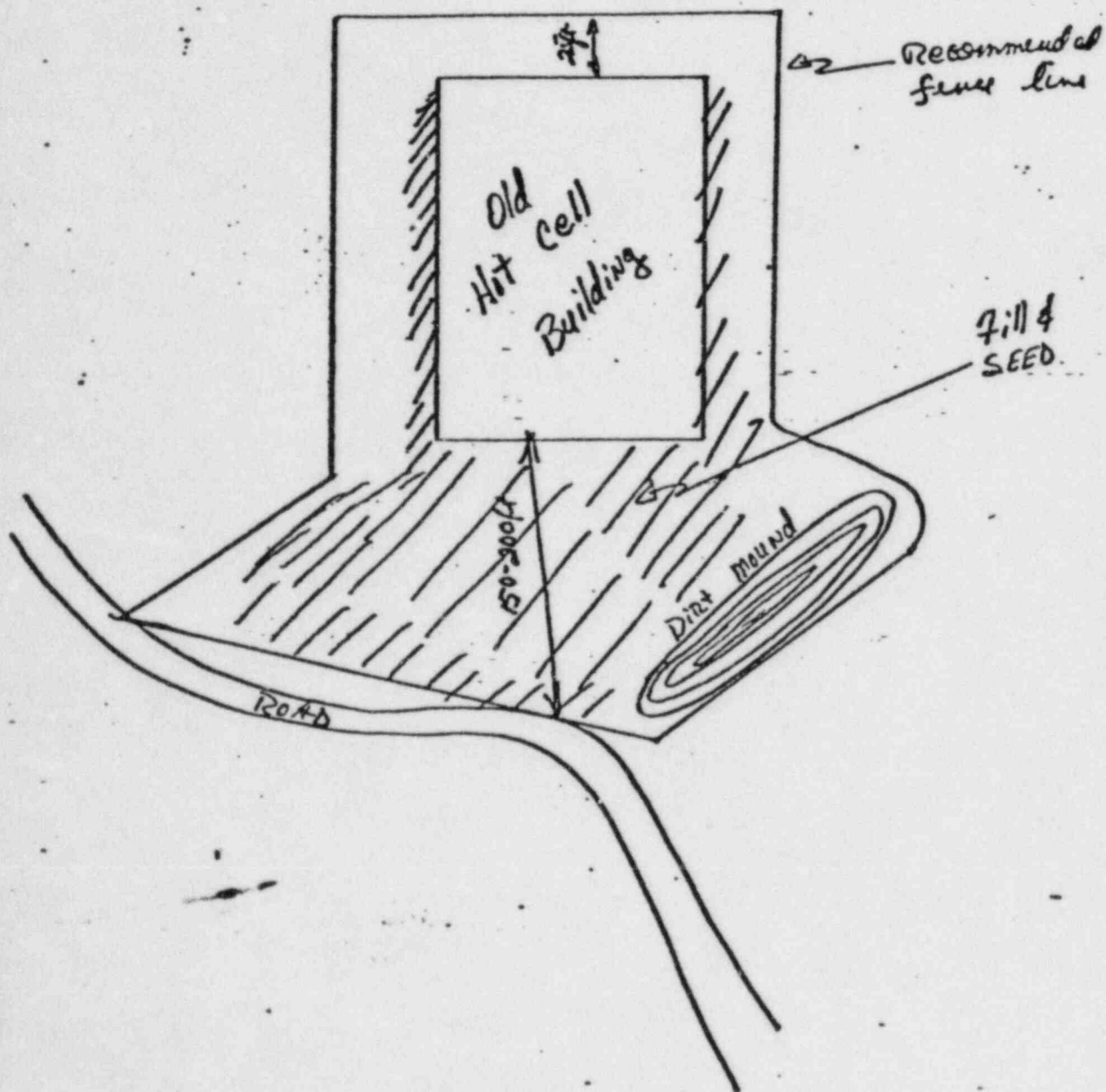
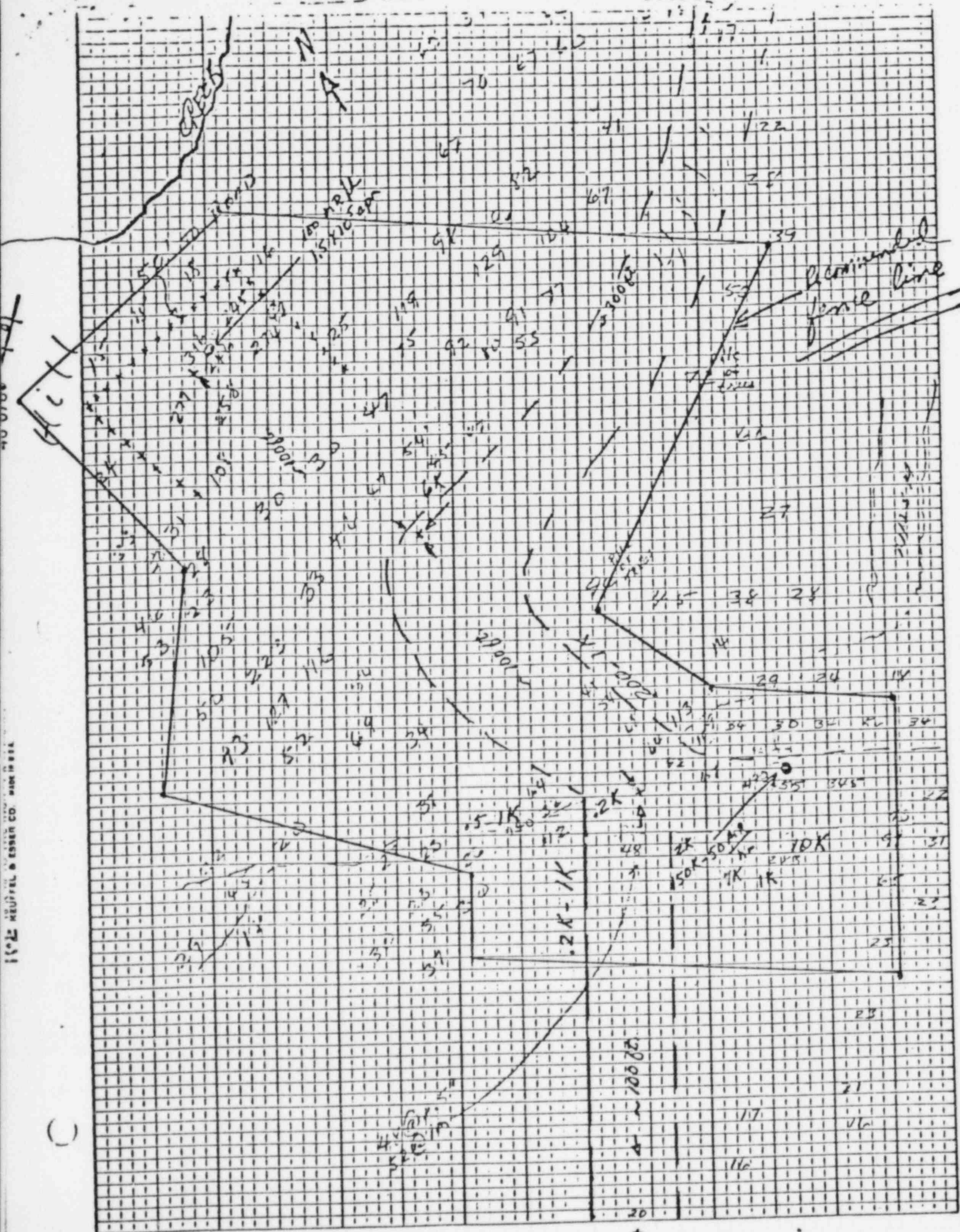


FIGURE 2





A. D. SHIRLEY  
DIRECTOR

# Georgia Forestry Commission

BOX 819 MACON, GEORGIA 31202

January 27, 1977

Montgomery  
W. G. DEASLEY  
L. L. L.  
L. L. L.  
HENRY WILLIAMS  
Woodson  
T. FELTON DENNEY  
Carrollton  
ELEY C. FRAZER, III  
Albany

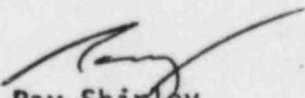
23

Mr. Joe D. Tanner, Commissioner  
Department of Natural Resources  
270 Washington St., S. W.  
Atlanta, Georgia 30334

Dear Joe:

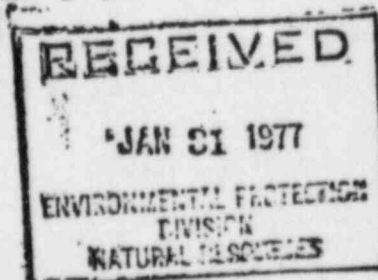
This will acknowledge receipt of your letter of January 24 and the attached recommended protection measures for Dawson Forest's radiation problems. Mr. John Mixon, Regional Forester, will be in charge of this work to correct the problems which have been uncovered. He will, in the near future, be in contact with Mr. Setser regarding the work to be done.

Sincerely yours,

  
Ray Shirley  
Director

RS:mjt

cc:  Jim Setser  
John Mixon



A66



Joe D. Tanner  
COMMISSIONER

# Department of Natural Resources

270 WASHINGTON ST., S.W.  
ATLANTA, GEORGIA 30334  
(404) 656-3500

January 24, 1977

Mr. Ray Shirley  
Georgia Forestry Commission  
P. O. Box 819  
Macon, Georgia 31202

Dear Ray:

I am enclosing for your information our completed report by our Environmental Radiation Field Team on the 10,000 acre tract known as the Dawson Forest Wildlife Management Area.

You should review this report carefully and if you have any questions, please do not hesitate to contact Jim Setser. I would recommend that this Department provide the technical assistance necessary and that your department provide the manpower and equipment necessary to correct the problems which have been uncovered. I make this suggestion since you have equipment readily available to you and since the required work is rather limited.

I believe that it is important for us to act on these recommendations as soon as possible. Jim Setser will handle the technical assistance and will be our contact for your department. Jim can be reached at 404-656-6905. If you need additional information, please contact us.

Sincerely,

Joe D. Tanner  
Commissioner

JDT/jg  
Enclosure  
cc: Leonard Ledbetter  
Jack Crockford  
Jim Setser✓

RECEIVED

JAN 27 1977

ENVIRONMENTAL PROTECTION  
DIVISION

A66  
Ga.  
DNR





Joe D. Tanner  
COMMISSIONER

## Department of Natural Resources

270 WASHINGTON ST., S.W.  
ATLANTA, GEORGIA 30334  
(404) 656-3500

March 18, 1977

Mr. J. N. Harris, Jr.  
Associate City Attorney  
Department of Law  
City of Atlanta  
2614 First National Bank Tower  
Atlanta, Georgia 30303

Dear Mr. Harris:

This is to acknowledge receipt of your letter of March 11, 1977 concerning the Dawson Forest radiation situation. I appreciate your interest and attention in this matter.

The sentence structure incorporating the term "all areas" in the report does not mean all areas located throughout the 10,000 acre tract, but rather to the five specific areas enumerated on the preceeding pages. The radioactivity levels in two of the five areas are considered high enough to warrant closure to access. As a result, recommendations were made to close off the hot cell building and the cooling off area.

The temporary closure of the 10,000 acre tract for the purpose of keeping people out doesn't appear necessary because there is no fence around the tract perimeter at the present time.

Again, I appreciate your interest in this matter and invite you to contact me again should you have further questions.

Sincerely,

Joe D. Tanner  
Commissioner

JDT:11b

cc: Mr. Ray Shirley  
Mr. J. Leonard Ledbetter  
Mr. James Talley

A67

# CITY OF ATLANTA

MAYNARD JACKSON, MAYOR

DEPARTMENT OF LAW • 2614 FIRST NATIONAL BANK TOWER  
ATLANTA, GEORGIA 30303

FERRIN Y. MATHEWS  
City Attorney

ROBERT S. WIGGINS  
RALPH C. JENKINS  
JOHN E. DOUGHERTY  
CHARLES M. LOKEY  
RALPH H. WITT  
ISABEL GATES WEBSTER  
MARVA JONES BROOKS  
Assistant City Attorneys

JAMES A. BARNETT  
MARY CAROLE COONEY  
J. M. HARRIS, JR.  
W. ROY MAYS, III  
Associate City Attorneys

HENRY M. MURFF  
LAWRENCE J. LEHMAN  
Claim Attorneys

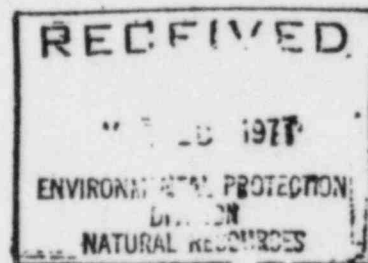
JAMES W. PAYNE  
JAMES L. PALMER  
THADDEUS A. ARMSTRONG  
Investigators

MAR 14 1977

NATURAL RESOURCES  
COMMISSIONERS OFFICE

Mr. Joe D. Tanner, Commissioner  
Department of Natural Resources  
State of Georgia  
270 Washington Street SW  
Atlanta, Georgia 30334

March 11, 1977



RE: DAWSON FOREST RADIATION PROBLEM

Dear Mr. Tanner:

We have carefully reviewed the recent report of your department concerning the radiation hazards in the Dawson Forest Wildlife Management area in Dawson County, Georgia (property owned by the City of Atlanta).

On page 8 of that report, it is stated that "in all areas, except the reactor area at this time, there is definitely a significant radiation hazard with regard to internal exposure to individuals."

As you may know, this wildlife management area is being opened to the public during three to four days of the week. We would appreciate your advice as to whether, under the circumstances referred to above, this entire area should be, at least temporarily, closed to the public.

Your interest and reply will be appreciated.

Sincerely,

*J. M. Harris, Jr.*

J. M. Harris, Jr.  
Associate City Attorney

JMH:gs

A67

(1) Hot Cell + Rx facility separated.

(2) Paul Guinan - final wrap-up -  
Mark Hansen - private business.

Soil Reasoned -

some of building was estimated - short lined

Chine -

Provide memo des. problems

ADB

w/ levels etc. -

→ Dawsonville Ga.

Decommissioned B site -

KYS

763-5471

TELECON 1/4/78

DECK

EICHER

EG:G.

Schedule - Feb 15<sup>th</sup> ?

(1) what looking for

(2) wide line space

(3) Status of C<sup>157</sup> -

(4) Press releases made through RII -

o) Ken Clark will contact EG:G.

(5) Home with help. - possibly down to 100' elevation. from Mr. Bacon

although  
info is forth coming

(6) letter from B. Weiss. On 3 April 20 77

(7) Fixed wing planes have been taken

we will advise State people of schedule and find out about C<sup>157</sup> - call EG:G back about the C<sup>157</sup> and have Ken call over press release

→ No other flights in S.E. - one in Va. for March - North Anna - fixed wing Aircraft for larger of runway.

→ Will bill need to inspect -

(1) find Info. Status of Site -

✓ (2) call Ken Clark - tell to call EICHER -

(3) George will take care of State -

AGB



Cons. with Bill Cline 5/12/78

Site Approval  $\approx$  1959 for reactor

Hot Cell for <sup>60</sup>Co encapsulation 1965-1968

Decommissioning in 1971 ~~by~~  
Georgia was responsible for <sup>60</sup>Co decomm.

Booth McCallen from Chattanooga  
also writing article.

---

10

2NW

650' / inch scale on aerial photo  $3\frac{1}{2} \times 4$  miles

point source  $\approx 2$  of 1000 ft ~~diameter~~ <sup>radius</sup>

actual point source  $\pm$  detectability 1-2 mCi @ 30'

reflow 150' levels J 200 ft in

southern section but results showed the same contamination area.

3 sec spectral data, 12 sec SCA data

$100 \text{ ft/sec} = 60 \text{ knots}$  lines flown E-W

Max - 28,000  $\mu\text{g}$   $\approx$  29  $\mu\text{R/h}$

Reactor Area 300 cpo      Exp =  $8 - \frac{12}{6} \mu R / \eta$  } from cob  
Background  $\frac{1}{1-} 15 \mu R / \eta$

Other activity } 1

Looking at me, I

Hot Cell

3 29-40 pA/h -

$$\leftarrow 4 = 5 \text{ } \mu R / \mu$$

2.7-4.50

Serpent Pit

 $0.5 \mu A / m$ 

2.7-4.50

Academy Square Pitt

Q. R. R.

A70

No evidence of activity in river  
flaw river for several miles.

# Dawsonville Overflight

Project Scientist - Tom McGuire - 763-2444

Project Coordinator - Mr. Rich Eiker

An Anything 2.5 x background

1 mCi

Be able to identify source  
1/5 time background, where it is.

Isopleth within a month  
while there are

Technician to survey area.

Eiker or Tom McGuire

A71

Privately Question of state  
access



5/30/78

Tom McGuire - 763-2444 Proj. Scientist

Mr. Dick Eiker ↔ 763-

Public Affairs - June 5 <

June 7, 1978 } First Flight.  
June 12, 1978

80 flight lines - 250 ft

1m Ci - MOA - <sup>60</sup>Co

100 ft apart

June 5, Arrival  
June 6, Check out }

Van - Ranger Station at  
Dawsonville }

May 14

A72



REGION II  
ATLANTA, GEORGIA

78 JUL 3 AIO: 07

J. P. O'REILLY  
D. THOMPSON  
C. M. UPRIGHT  
P. D. CHENDEMI  
W. B. KENNEDY  
E. J. LONG  
C. E. MURPHY  
B. T. SUTHERLAND  
K. M. CLARK

Jim Hufham-original

To: Jim Hufham, RTT

From: L. J. Cunningham

HQ - 8/88

# 5 pages

Following

Dan

We need  
to get this  
out Friday

when I get  
back

are we have to  
do it's answer  
the questions  
I have  
checked

A73

FROM: Rep. Toby Woffett		ACTION CONTROL		DATES		CONTROL NO. 04045	
		COMPL. DEADLINE		7/12/78		DATE OF DOCUMENT	
		ACKNOWLEDGMENT				5/15/79	
		INTERIM REPLY				PREPARE FOR SIGNATURE OF:	
		FINAL REPLY				<input type="checkbox"/> CHAIRMAN	
		FILE LOCATION				<input type="checkbox"/> EXECUTIVE DIRECTOR	
						OTHER: <u>Woffett</u>	
TO: JX		SPECIAL INSTRUCTIONS OR REMARKS					
(referred to HQ 6/22/79) DESCRIPTION <input type="checkbox"/> LETTER <input type="checkbox"/> MEMO <input type="checkbox"/> REPORT <input type="checkbox"/> OTHER Inquiry of Jo Anna Tang re report of radiation from an abandoned nuclear reactor in St. George, Georgia		Direct response to Sen. J. J. East, Conn. District Office Mark envelope to Attn: James Kase, Staff Assistant					
CLASSIFIED DATA		DOCUMENT/COPY NO. _____ CLASSIFICATION _____ NUMBER OF PAGES _____ CATEGORY _____ POSTAL REGISTRY NO. _____ <input type="checkbox"/> NSI <input type="checkbox"/> RD <input type="checkbox"/> FRD ASSIGNED TO: _____ DATE _____ INFORMATION ROUTING _____ <u>Woffett</u> <u>6/22/79</u> <u>C338</u> <u>Higginbotham</u> <u>7/29</u> _____ _____ _____					
		LEGAL REVIEW		<input type="checkbox"/> FINAL <input type="checkbox"/> COPY		NO LEGAL OBJECTIONS NOTIFY:	
		ASSIGNED TO:		DATE		<input type="checkbox"/> EDO ADMIN & CORRESPONDENCE EXT. _____	
						COMMENTS, NOTIFY: EXT. _____	
						JCAE NOTIFICATION RECOMMENDED: <input type="checkbox"/> YES <input type="checkbox"/> NO	

NRC FORM 232  
(11-78)

EXECUTIVE DIRECTOR FOR OPERATIONS  
PRINCIPAL CORRESPONDENCE CONTROL

DO NOT REMOVE THIS COPY

Re: A73

XX9886 78-0886

Logging Date 6/27/78

NRC SECRETARIAT

TO: ☐ Commissioner \_\_\_\_\_ Date \_\_\_\_\_  
☒ Exec. Dir./Off. \_\_\_\_\_  
☐ Cong. Liaison \_\_\_\_\_  
☐ Public Affairs \_\_\_\_\_  
☐ \_\_\_\_\_  
☐ Gen. Counsel \_\_\_\_\_  
☐ Solicitor \_\_\_\_\_  
☐ Secretary \_\_\_\_\_

Incoming: Toby Moffett, Rep.  
 From: 6th District, Connecticut

To: H. H. Cantus, ERDA Date 5/30/78  
 Subject: Radiation leaking from nuclear reactors.  
 re: one in Dawson

☒ Prepare reply for signature of:

☐ Chairman

☐ Commissioner \_\_\_\_\_

☒ X-CC, GC, CL, SOL, PA, DECY Date due July 6

☐ Signature block omitted

☐ \_\_\_\_\_

☐ Return original of incoming with response

☐ For direct reply\*

☐ For appropriate action

☐ For information

☐ For recommendation

NOTE: ltr. referred to NRC by ERDA on 6/22/78 rec'd on 6/28/78

Rec'd Off. ERDA  
 Date 6/28/78  
 Time 6:15

Remarks: Cys to: OCA to Acknowledge

For the Commission DAVIS

\*Send three (3) copies of reply to Secy Mail Facility

NRC-62

ACTION SLIP

Re: A73



Department of Energy  
Washington, D.C. 20545

JUN 22 1978

Honorable Toby Moffett  
Member of Congress  
91 Lexington Street  
New Britain, Connecticut 06052

Dear Mr. Moffett:

Reference is made to your recent referral regarding an inquiry from your constituent, Jo Anne Zang.

We have reviewed your referral and believe it relates to a program for which the following agency has responsibility:

Mr. Carlton Kammerer, Director  
Office of Congressional Affairs  
Nuclear Regulatory Commission  
1717 H Street, N.W.  
Washington, D. C. 20555

We are, by copy of this letter, referring your inquiry to that agency for appropriate action. Further inquiries of this nature should be sent to the above address.

If we can be of further assistance, please contact us.

Sincerely,

Frederick P. Hitz  
Director of Congressional Affairs

RE: A73

Enclosure:



SIXTH DISTRICT CONSTITUENT FORM

DATE: 5/22/78 J.K. X  
INTAKE BY: 800 LINE CM LINE WALK IN OFF. MRS.

NAME: Jo Anne Zang  
ADDR: Camelot Crest Rd

CONTACTED BY:

Sandy Hook CT. 06482

TELE:

SOCIAL SECURITY #:  
CLAIM/ FILE #:

CASEWORKER:

PROBLEM/REQUEST:

A Mrs. Bowman sent this in but explained that she works with Ms. Zang. According to the New York Times article attached to the form there is a radiation danger in this picnic and camping area in Georgia. The danger is coming from a deserted nuclear reactor in Dawson. What these people want to know is whose nuclear reactor is it, why is it leaking radiation, has it stopped doing the leaking, why did it take so long for them to react (one and a half years). How much danger is there in this radiation, and can it happen at all abandoned nuclear reactors. The man to contact might be the head of the State Environmental Agency, James Setzer.

8-755-2930

Radiation Danger Found in Georgia  
A report from the Georgia Department of Natural Resources indicates that a nuclear reactor at an abandoned site in Dawson County, Georgia, is leaking radiation. A report from the Georgia Department of Natural Resources, dated in 1976, indicated that the land, the Dawson Forest Wildlife Management Area, registered radiation at "unusually high levels" to warrant concern. James Setzer, head of the state's environmental commission, said...

Re: A73

TOBY MOFFETT  
8TH DISTRICT, CONNECTICUT

WASHINGTON OFFICE:  
1807 LEONOWORTH HOUSE OFFICE BUILDING  
WASHINGTON, D.C. 20515  
TELEPHONE: (202) 223-6678

COMMITTEE ON INTERSTATE  
AND FOREIGN COMMERCE

COMMITTEE ON  
GOVERNMENT OPERATIONS

Congress of the United States  
House of Representatives  
Washington, D.C. 20515

DISTRICT OFFICE:  
150 FARMINGTON AVENUE  
BRISTOL, CONNECTICUT 06010  
TELEPHONE: (203) 876-5750  
FAX: 646-5455  
175 ELIN STREET  
EASTFIELD, CONNECTICUT 06021  
TELEPHONE: (203) 743-8577  
91 LEXINGTON STREET  
NEW BRITAIN, CONNECTICUT 06052  
TELEPHONE: (203) 824-7198  
(TOLL FREE 1-800-375-4321)  
FAX: 646-5420  
646-5436  
646-5440

May 30, 1978

H. Hollister Cantus  
Director, Office of Congressional Relations  
Energy Research and Development Administration  
20 Massachusetts Avenue, N.W.  
Washington, D.C. 20545

Re: Jo Anne Zang  
Radiation Danger in Georgia

Dear Mr. Hollister,

Please investigate the attached communication and forward to me the necessary information for reply.

Your cooperation in providing the information within two weeks of receipt of this letter will enable me to answer my constituent within a reasonable amount of time.

Kindly send your reply, in duplicate, to my district office to the attention of the staff aide whose name and address appears below.

Thank you for your attention to and assistance in this matter.

Sincerely,

*Toby Moffett*  
Toby Moffett  
Member of Congress

Attachment  
Kindly send reply to:  
James Kase  
Staff Assistant  
Congressman Toby Moffett  
91 Lexington St.  
New Britain, Ct. 06052

RECEIVED IR  
JUN -6 PM 3:44

09507

Re: A93