



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

MAY 10 1978

MEMORANDUM FOR: Director, Division of Organization & Personnel  
FROM: Director, Office of Inspection & Enforcement  
SUBJECT: RENEWAL OF CONSULTANT APPOINTMENTS  
REF: Your memo dated 3/30/78 - 2

The Office of Inspection and Enforcement is requesting renewal of nine consultant appointments for the period July 1, 1978 through June 30, 1979. Completed NRC Forms 443 and 448 are enclosed.

The following consultants are the subject of this renewal request:

Reynold Brown  
Belton Burrows  
Walter Grant  
William Hendee  
James Maxfield  
Eugene Saenger  
George Thoma  
Bruce Thomadsen  
Niel Wald

Copies of this request and required forms will be provided OGC for their view.

A handwritten signature in cursive script, appearing to read "L. I. Cobb".

L. I. Cobb, Executive Officer  
for Management & Analysis  
Office of Inspection & Enforcement

Enclosures:  
As Stated.

cc w/encs: H. Rose  
cc w/o encs: B. Richards

Handwritten initials "K/4" in a large, bold, slanted font.

## REQUEST FOR EMPLOYMENT, RENEWAL OR MODIFICATION OF APPOINTMENT OF CONSULTANT, ADVISER OR EXPERT

1. NAME OF PROPOSED APPOINTEE: (First, middle initial, last name) <b>Saenger, Eugene L.</b>		2. <input type="checkbox"/> New Appointee <input checked="" type="checkbox"/> Renewal or Modification	
3. Proposed Period of NRC Service: FROM: <b>7/1/78</b> TO: <b>6/30/79</b>	4. Est. of No. of Days NRC Employment During Period of Service: <b>30</b>	5. Proposed Pay <b>\$160/day</b> \$ DAY; \$ Hour <input type="checkbox"/> WOC	6. <input type="checkbox"/> Clearance Data: <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> FORMER Q AT
7. Description of Services to be Performed and Explanation of Need for the Services: <b>1. Furnish medical advice pertaining to possible radiation effects upon NRC licensees, their employees, or members of the public. 2. Furnish testimony as a medical expert. 3. Participate in selected conferences on effects of radiation and radioactive materials upon human beings.</b>			
8. Jurisdiction for Proposed Pay (See 5, above) or Reason for WOC:			

Dr. Saenger normally receives in excess of \$200/day for his services.

9. Description of Expenses to be Reimbursed and Dollar Limitation: **Telephone calls in connection with assigned NRC work. Postage and other shipping charges related to NRC work, not to exceed \$100 per assignment. Copying charges related to NRC work, not to exceed \$100 per assignment.**

10. Description of Government-owned Property, if any, to be in Possession of Appointee:

None

11. Summary of Preliminary Discussion or Negotiation with Proposed Appointee:

Same as #5, 7, and 9.

12. REQUESTED BY: (title, division, office, etc.)

**Ernst Volgenau, Director  
Office of Inspection & Enforcement**

(signature)

(date)

### FOR USE BY PERSONNEL OFFICE

13. The above named person will be carried on the NRC rolls as a:

- Regular Government employee for the period of service indicated in 3, above.
- Special Government employee for the period of service indicated in 3, above.
- Regular Government employee until \_\_\_\_\_, 19\_\_\_\_, and Special Government employee thereafter until end of period indicated in 3, above.

Information has been received that the above named person is appointed as consultant, adviser or other temporary or intermittent employee to other Federal agencies or NRC offices as follows:

(agency)	(date appointed)	(actual number of days of service from date appointed to date)	(estimate of number of days of service during remaining portion of 365 days from date appointed)
(title and signature)			(date)

### FOR USE BY COUNSELOR OR DEPUTY COUNSELOR

14. I have reviewed the Form NRC-443 (Confidential Statement of Employment and Financial Interests) for the subject individual, and on the basis thereof, find there is no legal objection to this (her) employment from a conflict-of-interest standpoint.

(Counselor or Deputy Counselor)

(date)

*Rose*

UNITED STATES NUCLEAR REGULATORY COMMISSION

Form NRC 443  
(8-77)  
NRCM 4124  
NRCM 4129

BACKGROUND STATEMENT AND CONFIDENTIAL STATEMENT  
OF EMPLOYMENT AND FINANCIAL INTERESTS

Form Approved  
Bureau of the Budget  
No. 38-R099

1. NAME (First, middle initial, last)  EUGENE L. SAENGER, M.D.	2. BIRTH DATE  [REDACTED]
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3. HOME ADDRESS (Street, City, State, ZIP Code)  [REDACTED]	4. TELEPHONE: Home [REDACTED] Business: 513-872-4282
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5. Citizen of U.S.A. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	6. COLLEGE OR UNIVERSITY Harvard, Cambridge, Mass. University of Cincinnati College of Med.	7. DATES ATTENDED 1934-1938 1938-1942	8. DEGREE A.B. M.D.	9. YEAR 1938 1942
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10. a. If you are a U.S. Civil Service annuitant, what is your monthly annuity? \$ \_\_\_\_\_  
 b. Are you a retired officer of a regular component of the Uniformed Services?  Yes  No  
 If yes, contact your Service for information concerning any reduction in retired military pay made necessary by receipt of Federal civilian pay.

11. Employment during last 10 years (including consultants). List present position first - you may include only the ones related to your regular profession. List current Federal positions in item 12, below.

EMPLOYER	ADDRESS	POSITION HELD	SALARY OR FEE	DATES
University of Cincinnati	Cincinnati, OH	Professor		1962-present
Radiation Management Corporation	Philadelphia, PA	Consultant		1969-1976
Procter and Gamble Co.	Cincinnati, OH	Consultant		1963-present
Children's Hospital	Cincinnati, OH	Radiotherapist		1947-present
University of Cincinnati	Cincinnati, OH	Assist., Assoc. & Full Professor		1949-present

12. OTHER FEDERAL GOVERNMENT EMPLOYMENT. List all other Federal departments and agencies (including other NRC offices) in which you are serving or expect to serve as consultant, adviser, expert, or part-time, or intermittent employee during the next 365 days. If none, write "None"

AGENCY AND LOCATION	TITLE OR KIND OF POSITION	APPOINTMENT PERIOD		ESTIMATED NO. OF DAYS
		FROM	TO	
DHEW/PHS/BRH Office of the Director	Consultant Rockville, MD	7/1/77	6/30/78	No more than 30
USNRC/USERDA	Washington, D.C.	"	"	30

13. List your significant professional society memberships, honors, and fellowships received; important publications, licenses, and other special qualifications

## INSTRUCTIONS

**GENERAL:** Prepare this statement in duplicate. Submit 1 completed copy to the head of the NRC division or office by which you will be employed. Retain one copy for your files. If additional pages are used, identify them by reference to the appropriate numbered item and attach them hereto. When using such additional pages any information relating to items 15 and 16 must be listed on a separate page.

### ITEMS:

12. Include the names of any other Federal departments or agencies, including other NRC offices, with which you are affiliated or expect to be during the next 365 days as consultant, adviser, expert, part-time, or intermittent employee. In determining the estimated number of days service, a part of a day should be counted as a full day and a Saturday, Sunday or holiday on which duty has been or is expected to be performed, should be counted as a work day.
15. You need not submit any information relating to your connection with, or interest in, a professional society or a charitable, religious, & social, fraternal, recreation, public service, civic, or political organization or any similar organization not conducted as a business enterprise, and which is not engaged in the ownership or conduct of a business enterprise. Educational and other institutions doing research and development or related work involving grants of money from or contracts with the Government are deemed "business enterprises" and should be included herein.
- 16a. In the event any of the required information, including holdings in trust, is not known to you but is known to another person, you & should request that person to submit on your behalf the information called for under item 16a. Report such request in item 16b. The
- 16b. Nuclear Regulatory Commission, pursuant to Section 208(b) of the conflict of interest statute (Public Law 87-849), exempted certain financial interests from the application of Section 208(a) of that statute (see Appendix 4124, II (§ 0.735-21(c)), "Exemption of remote or inconsequential financial interests"). You need not list under item 16 those interests which, as of the date that statement is submitted, are exempted under Appendix 4124, II (§ 0.735-21(c)).

### SUPPLEMENTARY STATEMENTS:

You are required to report changes in, or additions to, the information in items 15 and 16 in a supplementary statement within 10 days of the end of the calendar quarter terminating March 31, June 30, September 30, and December 31. All changes or additions occurring during the preceding quarterly period are to be reported, not merely your employment and financial interests status as of the reporting date. You will be furnished a reminder of this requirement and blank copies of pages 3-4 of this form each quarter. If there are no changes or additions in a quarter, a negative report is not required. A new or supplementary statement will be required in connection with an extension or renewal of your appointment.

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## PRIVACY ACT STATEMENT

Pursuant to 5 U.S.C. 552a (e) (3), enacted into law by section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the Nuclear Regulatory Commission on Form NRC-443. This information is maintained in a system of records designated as NRC-4 and described at 40 Federal Register 45334 (October 1, 1975).

1. **AUTHORITY** 18 U.S.C. 201 and Executive Order 11222 dated May 8, 1965.
2. **PRINCIPAL PURPOSE(S)** To allow the Nuclear Regulatory Commission, its counselor, or deputy counselors to determine whether employee's financial interests or non-Governmental employment might involve them in actual or potential conflicts of interest under applicable Federal laws, Civil Service Regulations, and/or Executive Orders.
3. **ROUTINE USES** To provide the Department of Justice and the Civil Service Commission with information concerning an employee in instances where this office has reason to believe a Federal law may have been violated or where this office desires the advice of the Department, or the Civil Service Commission concerning potential violations of Federal law, and to serve as evidence in any court or Civil Service Commission proceeding or in any NRC proceeding, adjudication or other determination.
4. **WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PROVIDING INFORMATION** Disclosure of the requested information is mandatory for employees of the NRC as stated in 10 CFR 0.735-28. Failure to disclose the requested information or an omission in the execution of the statement may result in appropriate administrative action in accordance with NRC Management Directives System Chapter 4171.
5. **SYSTEM MANAGER(S) AND ADDRESS** General Counsel, Office of the General Counsel, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555.

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## FOR NRC USE

Instructions to the operating official responsible for the appointment of this consultant, adviser, or expert:

1. Detach page no. 1-2 (Background Statement) of Form NRC-443. Retain one copy of page 1-2 and send the other copy to the personnel office with 3 copies of completed Form NRC-443.
2. Make the determination in item 18 on page no. 4 in accordance with provisions of Appendix 4124 and send page no. 3-4 to the designated counselor with copy of completed Form NRC-443.
3. Do not reproduce or retain a copy of page 3-4.

PART B - CONFIDENTIAL STATEMENT OF EMPLOYMENT AND FINANCIAL INTERESTS

14.a. NAME (First, middle initial, last)  
EUGENE L. SAENGER, M.D.

14.b. BUSINESS ADDRESS (City, State)  
CINCINNATI, OHIO

15. CURRENT NON-FEDERAL EMPLOYMENT. List all corporations, companies, firms, or other business enterprises, partnerships, non-profit organizations, and educational, or other institutions, including State or local governmental organizations: (a) with which you are connected as an employee, officer, owner, director, member, trustee, partner, adviser, or consultant, with or without compensation; or (b) in which you have any continuing financial interests, through a pension or retirement plan, shared income, or other arrangement as a result of any current or prior employment or business or professional association. Repeat information on present employment recorded in item 11 on page 1. If none, write "None."

PLEASE SEE ATTACHMENT

NAME AND KIND OF ORGANIZATION (e.g., manufacturing, research, insurance)	LOCATION	TITLE OR KIND OF POSITION
PLEASE SEE ATTACHMENT		

16. FINANCIAL INTERESTS. List your investments and, to your knowledge, those of your spouse, minor children, and blood relations who are full-time residents of your household. If none, write "None." You need not list holdings in Federal bonds or those financial interests which are, as of the date this statement is submitted, exempted under Part II (§ 0.735-21(c)) of NRC Appendix 4124, "Conduct of Employees." (See Instructions, item 16.) You need not reveal at this time the precise amount of investments listed, however, you may later be so required if necessary for agency determination under NRC Appendix 4124 (10 CFR 0.735).

a. NAME OF ORGANIZATION	KIND OF ORGANIZATION	NATURE OF INTEREST AND IN WHOSE NAME HELD
PLEASE SEE ATTACHMENT		

b. INFORMATION ON FINANCIAL INTERESTS REQUESTED OF OTHER PERSONS. If any information is to be supplied by other persons, e.g., trustee, attorney, accountant, relative, please complete the boxes below. If none, write "None."

NAME AND ADDRESS	DATE OF REQUEST	NATURE OF SUBJECT MATTER
N/A		

17. I certify that the above statements made by me are true, complete and correct to the best of my knowledge and belief. I believe that at this time there does not exist any conflict, as described in NRC Manual Chapter 4124, "Conduct of Employees," between my private interests (including stock holdings) and my proposed services for the NRC. I further expect and intend to avoid such conflicts during any periods of appointment by the NRC. I understand that, during the period of my appointment, I must notify the NRC, in accordance with the instructions on Page 2 of this form, of any change in the information under Items 15 and 16, above.

X Eugene L. Saenger  
(Signature)

April 19, 1978  
(Date)

## 18. DETERMINATION BY APPROPRIATE OPERATING OFFICIAL:

I have reviewed the statement of the subject individual in relation to his proposed duties and responsibilities and find

- no conflict or apparent conflict of interest  
 the following question(s) which require resolution:

The following steps have been taken to resolve the question(s) referred to above:

*Not to be used as a consultant in any possible cases  
 existing or arising from this case*

Under applicable law and NRC regulations, the individual is not to participate in any particular matter of any type the outcome of which will have a direct and predictable effect upon the financial interests of a business entity, including nonprofit organization or educational institution, by which he is employed or with which he is negotiating for or has any arrangement concerning prospective employment, or to which he renders consultant services, or in which he has a financial interest not exempted under Part II (§ 0.735-21(c)), of NRC Appendix 4124. However, he need not be precluded from rendering general advice in situations where no preference or advantage over others might be gained by any particular person or organization.

*[Handwritten Signature]*  
 \_\_\_\_\_  
 (Signature)

*5/1/61*  
 \_\_\_\_\_  
 (Date)

## 19. Determination by Counselor (or Deputy Counselor):

I have reviewed the statement of the subject individual and the operating official's determination above and find:

- no evidence of conflict or apparent conflict of interest.  
 the following question(s) which required resolution:

The following steps have been taken to resolve the question(s) referred to above:

\_\_\_\_\_  
 (Signature)

\_\_\_\_\_  
 (Date)

The information to be furnished in items 15-16 of this statement is required by Executive Order 11222 and the regulations of the U. S. Civil Service Commission and the Nuclear Regulatory Commission issued thereunder, and may not be disclosed by the NRC except in accordance with the provisions of NRC Manual Chapter 4124 or as the Civil Service Commission or the Nuclear Regulatory Commission may determine for good cause shown.



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

AUG 17 1981

MEMORANDUM FOR: Paul E. Bird, Director  
Division of Organization and  
Personnel, ADM

FROM: L. I. Cobb, Director  
Training & Administration Staff, IE

SUBJECT: RENEWAL OF CONSULTANT APPOINTMENTS

The Office of Inspection and Enforcement (IE) requests renewal of the following consultant appointments for the period July 1, 1981 through June 30, 1982:

I. Nine consultants in the medical and health physics sciences.

Six medical consultants provide services to IE as follows:

- a. they furnish medical advice pertaining to possible radiation effects upon NRC licensees, their employees, or members of the public;
- b. they furnish testimony at inquiries or hearings as a medical expert; and
- c. they participate in selected conferences on effects of radiation and radioactive materials upon human beings.

The individuals serving as medical consultants are:

Drs. Reynold F. Brown  
Belton A. Burrows  
James R. Maxfield, Jr.  
Eugene L. Saenger  
George E. Thoma  
Mr. Neil Wald

Three health physicists provide services to IE as follows:

- a. they furnish advice pertaining to radiation dosages to NRC licensees, their employees, or members of the public;
- b. they furnish testimony as a radiation physicist;
- c. they assist in upgrading of radiological physics; and
- d. they participate in selected conferences on the effective use of teletherapy services.

The individuals serving as health physicists are:

Drs. Walter H. Grant III  
William R. Hendee  
Mr. Bruce R. Thomadsen

K/S

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II. One technical training specialist.

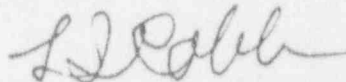
Dr. John E. Troutman is currently assisting IE in developing a methodology for the evaluation of in-house and contracted specialized technical training courses.

Completed copies of NRC Forms 448 and 443 are enclosed for each of the above named individuals.

IE currently employs one other consultant, Frederick D. Abramson. Dr. Abramson is performing a management study documenting the present interaction between IE Headquarters and the regional offices and between the regional offices and resident inspector offices. His appointment is current (through June 30, 1982) and no renewal action is necessary.

Previously, IE submitted a request for the appointment of one new radiation physicist with special expertise in uranium toxicology, John B. Hursh. We anticipate that his appointment will be finalized within two months. Also, paperwork for the addition of Boyce Grier as a management consultant in IE is in process.

The appointment of Joseph M. Varela has expired and IE does not request renewal. Virginia Tolson, x35820 is the point of contact for questions in this area.



L. I. Cobb, Director  
Training & Administration Staff  
Office of Inspection & Enforcement

Enclosures:  
As stated

cc: M. Lopez-Nagle, OP  
H. Thornburg, IE  
T. Remson, IE  
E. Davis, IE  
J. LeDoux, IE  
G. Klingler, IE



**CONFIDENTIAL STATEMENT OF EMPLOYMENT  
AND FINANCIAL INTERESTS**

Form NRC-443  
(6-79)  
NRCM 4124  
NRCM 4139

1. NAME (First, middle initial, last) <b>EUGENE L. SAENGER, M.D.</b>		2. BIRTH DATE [REDACTED]	
3. HOME ADDRESS (Street, City, State, ZIP Code) [REDACTED]		4. TELEPHONE Home [REDACTED] Business <b>513-872-4282</b>	
5. Citizen of U.S.A. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	6. COLLEGE OR UNIVERSITY Harvard University, Cambridge, MA Univ. of Cincinnati Col. of Medicine	7. DATES ATTENDED 1934-38 1938-42	8. DEGREE A.B. M.D.
9. YEAR 1938 1942			

10. a. If you are a U.S. Civil Service annuitant, what is your monthly annuity? \$ \_\_\_\_\_  
 b. Are you a retired officer of a regular component of the Uniformed Services?  Yes  No  
 If yes, contact your Service for information concerning any reduction in retired military pay made necessary by receipt of Federal civilian pay.

11. Employment during last 10 years (including consultantships). List present position first - you may include only the ones related to your regular profession. List current Federal positions in item 12, below.

EMPLOYER	ADDRESS	POSITION HELD	SALARY OR FEE	DATES
Univ. of Cincinnati	Cincinnati, OH	Professor		1962-present
Radiation Management Corp.	Philadelphia, PA	Consultant		1969-1976
Procter & Gamble Company	Cincinnati, OH	Consultant		1963-present
Children's Hospital Med. Ctr.	Cincinnati, OH	Professor, Assoc. and Assistant Prof.;		1947-present
Univ. of Cincinnati Col. of Medicine	Cincinnati, OH	radiotherapist		1949-present
Electric Boat Company	Groton, Conn.	Consultant		1980-present

12. OTHER FEDERAL GOVERNMENT EMPLOYMENT. List all other Federal departments and agencies (including other NRC offices) in which you are serving or expect to serve as consultant, adviser, expert, or part-time, or intermittent employee during the next 365 days. If none, write "None."

AGENCY AND LOCATION	TITLE OR KIND OF POSITION	APPOINTMENT PERIOD		ESTIMATED NO OF DAYS
		FROM	TO	
DHEW/PHS/BRH Office of the Director	Consultant	7/1/80	6/30/81	No more than 30
U.S. NRC/U.S. DOE	Consultant	"	"	"

13. List your significant professional society memberships, honors, and fellowships received, important publications, licenses, and other special qualifications.

PLEASE SEE ATTACHMENT

PART B - CONFIDENTIAL STATEMENT OF EMPLOYMENT AND FINANCIAL INTERESTS

14 a. NAME (First, middle initial, last)

14 b. BUSINESS ADDRESS (City, State)

15. CURRENT NON-FEDERAL EMPLOYMENT. List all corporations, companies, firms, or other business enterprises, partnerships, non-profit organizations, and educational, or other institutions, including State or local governmental organizations: (a) with which you, your spouse, or minor children are connected as an employee, officer, owner, director, member, trustee, partner, adviser, or consultant, with or without compensation; or (b) in which you, your spouse, or minor children have any continuing financial interests, through a pension or retirement plan, shared income, or other arrangement as a result of any current or prior employment or business or professional association. Repeat information on present employment recorded in item 11 on page 1. If none, write "None."

NAME AND KIND OF ORGANIZATION (e.g., manufacturing, research, insurance)	LOCATION	TITLE OR KIND OF POSITION
PLEASE SEE ATTACHMENT		

16. FINANCIAL INTERESTS. List your investments and, to your knowledge, those of your spouse, minor children, and blood relations who are full-time residents of your household. If none, write "None." You need not list holdings in Federal bonds or those financial interests which are, as of the date this statement is submitted, exempted under Part II (§ 0.735-21(c)) of NRC Appendix 4124, "Conduct of Employees." (See Instructions, item 16.) You need not reveal at this time the precise amount of investments listed, however, you may later be so required if necessary for agency determination under NRC Appendix 4124 (10 CFR 0.735).

a. NAME OF ORGANIZATION	KIND OF ORGANIZATION	NATURE OF INTEREST AND IN WHOSE NAME HELD
PLEASE SEE ATTACHMENT		

b. INFORMATION ON FINANCIAL INTERESTS REQUESTED OF OTHER PERSONS. If any information is to be supplied by other persons, e.g., trustee, attorney, accountant, relative, please complete the boxes below. If none, write "None."

NAME AND ADDRESS	DATE OF REQUEST	NATURE OF SUBJECT MATTER
PLEASE SEE ATTACHMENT		

17. I certify that the above statements made by me are true, complete and correct to the best of my knowledge and belief. I believe that at this time there does not exist any conflict, as described in NRC Manual Chapter 4124, "Conduct of Employees," between my private interests (including stock holdings) and my proposed services for the NRC. I further expect and intend to avoid such conflicts during any periods of appointment by the NRC. I understand that, during the period of my appointment, I must notify the NRC, in accordance with the instructions on Page 2 of this form, of any change in the information under Items 15 and 16, above.

*Eugene Z. Sawyer*  
 (Signature)

July 23, 1981  
 (Date)

18. DETERMINATION BY APPROPRIATE OPERATING OFFICIAL:

I have reviewed the statement of the subject individual in relation to his/her proposed duties and responsibilities and find:

- no conflict or apparent conflict of interest.
- the following question(s) which require resolution:

The following steps have been taken to resolve the question(s) referred to above.

*Will not be assigned to consult on any case involving one of the organizations listed on this form.*

Under applicable law and NRC regulations, the individual is not to participate in any particular matter of any type the outcome of which will have a direct and predictable effect upon the financial interests of a business entity, including nonprofit organization or educational institution, by which he/she is employed, or with which he/she is negotiating for or has any arrangement concerning prospective employment, or to which he/she renders consultant services, or in which he/she has a financial interest not exempted under Part II (§ 0.735-21(c)), of NRC Appendix 4124. However, he/she need not be precluded from rendering general advice in situations where no preference or advantage over others might be gained by any particular person or organization.

*J. Stahl*

(Signature)

*8/13/81*

(Date)

19. Determination by Counselor (or Deputy Counselor):

I have reviewed the statement of the subject individual and the operating official's determination above and find:

- no evidence of conflict or apparent conflict of interest.
- the following question(s) which required resolution:

The following steps have been taken to resolve the question(s) referred to above:

(Signature)

(Date)

The information to be furnished in items 15-16 of this statement is required by Executive Order 11222 and the regulations of the Office of Personnel Management and the Nuclear Regulatory Commission issued thereunder, and may not be disclosed by the NRC except in accordance with the provisions of NRC Manual Chapter 4124 or as authorized by Regulation 4124. The Nuclear Regulatory Commission may determine for good cause shown.

University of Cincinnati  
Medical Center



University of Cincinnati Hospital  
Cincinnati General Division

234 Goodman Street  
Cincinnati, Ohio 45267

Eugene L. Saenger Radioisotope Laboratory  
TELEPHONE (513) 872-4282

054-13011-64

September 13, 1982

James G. Keppler  
Regional Administrator  
United States Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Dear Mr. Keppler,

Enclosed is the report of the misadministration incident involving cesium 137 sources in an afterloading applicator at the Medical College Hospital in Toledo between April 12 and April 16, 1982.

The patient is a 55 year old woman with a diagnosis of carcinoma of the endometrium. The treatment plan was to administer a tumor dose of 4500 rad using 4 fields of 14.5 x 15 cm with a 10 MeV accelerator in 25 fractions in 35 days. This course of external radiation was completed on April 13.

On April 12 a vaginal applicator was inserted and cesium 137 sources were loaded to deliver 4000 rad. Instead of this calculated dose, due to errors in loading, a dose of approximately 12,000 rad was received. A complete description of the incident and the dose calculations was furnished by [REDACTED] and his associates of the Medical College of Ohio. Since all of this information has been supplied to the NRC, I will not repeat it except to point out that the intended dose of 4000 rad resulted in an estimated dose of approximately 12,000 rad particularly to the vagina and introitus.

This misadministration was explained to the patient and to her husband.

The original plan of treatment was to perform a hysterectomy following the external and intrauterine radiation therapy and this procedure was carried out. The patient was admitted to the Medical College of Ohio Hospital on July 13, 1982 and underwent a total abdominal hysterectomy and bilateral salpingo-oophrectomy with lymph node dissection on July 14 without any difficulty. The final pathological diagnosis report revealed adenocarcinoma of the endometrium.

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The patient tolerated the procedure well and was discharged on July 22, 1982.

On August 2, 1982 the patient experienced the abrupt onset of dysuria, nocturia and urinary frequency. When the patient was examined by the gynecologist the abdomen was found to be completely healed. Vaginal examination showed that the labia minora were completely agglutinated and when the speculum was forcibly inserted, approximately 60 cc's of foul pink-tan pus under pressure gushed forward. This finding was due to a collection of pus behind the adherent external genitalia secondary to radiation-induced dermatitis. She was placed on an antibiotic and was asymptomatic one week later. On examination at that time, however, the vaginal lips were once again adherent at the introitus for a distance of 1-2 cm. When this area was dilated for the second time, some additional pus was released. The vagina appeared completely normal above this narrowed area. As noted by the attending gynecologist, the stenosis at the vaginal entrance was the only complication experienced so far as a result of this misadministration.

It is well known that the vaginal mucosa tolerates radiation extremely well as compared to other tissues such as bladder, rectum and particularly external genitalia and this tolerance is of course the basis for the successful treatment of carcinoma of the cervix and uterus by radium and cesium. The external genitalia however are not as resistant to the effects of radiation as is the vagina and the reaction observed under these circumstances may be expected to continue and to be progressive over a period of years. The external genitalia may be 20-35% less tolerant to radiation than the vaginal mucosa. This decrease in tolerance may be due to the moisture in these intertriginous regions.

If the amount of secondary infection in this area can be kept to a minimum and a vaginal dilator can be used to keep the introitus patent, it is possible that these lesions may heal without complications. It is entirely likely that there will be progression of fibrosis and minor areas of tissue breakdown which will require further medical therapy and possibly some surgical revision of the area. It is entirely possible that normal sexual activity will be impaired or it will be necessary to terminate this activity.

It is difficult to estimate the degree of tissue intolerance in an individual patient. Some patients may tolerate doses of this magnitude without excessive scarring and secondary infection whereas other patients will develop complete stenosis of the vagina and suffer marked permanent radiation fibrosis to the labia minora and labia majora.

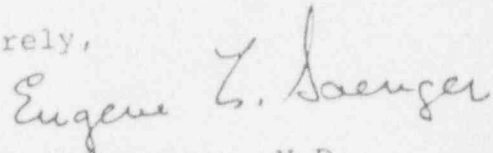
There is some possibility of eventual scarring of the urethra and of the rectum although this probability of changes in these

James G. Keppler  
September 13, 1982  
Page 3

two organs based on the changes found after four months would suggest that the bladder and rectum may well be spared any significant degree of fibrosis or tissue breakdown.

It should also be noted that the probability of any systemic late effects of radiation would be minimal in this circumstance and not attributable to the involved area of the external genitalia.

Sincerely,



Eugene L. Saenger, M.D.  
Medical Consultant

ELS/sck

21-0410100

Lic. File

AUG 9 1984

Henry Ford Hospital  
ATTN: [redacted]  
Associate Administrator  
2799 West Grand Boulevard  
Detroit, MI 48202

License No. 21-04109-08

Gentlemen:

This is in connection with the recent therapeutic misadministration, discovered on July 20, to a patient receiving cobalt-60 teletherapy treatments in your Radiology Department. In order for our Medical Consultant to evaluate any long term effects on this patient, we are requesting a copy of all the radiation therapy records for this individual including patient age and sex. Our consultant also requests enough of the patient's medical history to make an evaluation of anticipated longevity.

Our Medical consultant initially made this request to this office in the enclosed letter dated July 23, 1984. Please send the requested information with a copy to our office, to the attention of Dr. Saenger at:

University of Cincinnati Medical Center  
Eugene L. Saenger Radioisotope Laboratory  
University Hospital  
Mail Location No. 577  
Cincinnati, Ohio 45267

Specific questions concerning this request can be made to Dr. Saenger at (513) 872-4282.

Sincerely,

*W. L. Axelson*  
W. L. Axelson, Chief  
Nuclear Material Safety  
and Safeguards Branch

cc: Bruce Horowitz, M.D.

93/1030281 <sup>1A</sup>

K/9

RIII  
*[Signature]*  
Slawinski/sv  
08/07/84

RIII  
*[Signature]*  
Sreniawski  
8/8

RIII  
*[Signature]*  
Axelson

University of Cincinnati  
Medical Center



University Hospital  
234 Goodman Street  
Cincinnati, Ohio 45267-0577

Eugene L. Saenger Radioisotope Laboratory  
Mail Location #577  
TELEPHONE (513) 872-4282

July 23, 1984

Donald Sreniawski  
U.S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Dear Mr. Sreniawski,

In regard to the recent episode involving a second patient at the Henry Ford Hospital, I spoke with [REDACTED] who apparently was in charge of the care of that individual. I would request that the Nuclear Regulatory Commission write to him requesting copies of all of the radiation therapy records be forwarded to me including sufficient patient identification in regard to age and sex. I think also we should have enough of a medical history to make some evaluation of the patient's anticipated longevity.

Sincerely,

A handwritten signature in cursive script that reads "Eugene L. Saenger".

Eugene L. Saenger, M.D.  
Medical Consultant

ELS/sck

~~9311030284~~ 1A

JUL 26 1984





00 09  
UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
799 ROOSEVELT ROAD  
GLEN ELLYN, ILLINOIS 60137

April 15, 1983

Dr. Eugene L. Saenger



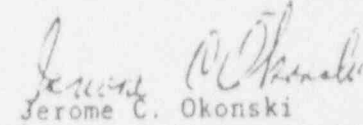
Dear Dr. Saenger:

In connection with your employment as a Medical Consultant with the Nuclear Regulatory Commission the enclosed forms are to be completed and returned in the enclosed envelope at your earliest convenience. For your use, also enclosed is a copy of your previous Personnel Security Questionnaire. These forms are needed to update your security clearance.

Any questions regarding the enclosed security package should be referred to Duane Potter at 301/492-7173.

Thank you for your cooperation in this matter.

Sincerely,

  
Jerome C. Okonski  
Regional Personnel Officer

Enclosures: As stated

cc w/o encls:  
D. Potter, O&P

9902260010  
2pp

K/8



April 10, 1985

Dr. Eugene L. Saenger

Dear Dr. Saenger:

The Nuclear Regulatory Commission (NRC) wishes to continue utilizing your services from July 1, 1985 through June 30, 1986.

NRC regulation requires current information regarding non-Federal employment and Federal retainer/contracts for employment of consultants. Enclosed are two copies of NRC Form 443 "Confidential Statement of Employment and Financial Interests." Please complete and return one copy of this form to me by April 29, 1985. Please answer each item completely without referring to previous year statements.

The availability of your services to the Nuclear Regulatory Commission has been and continues to be appreciated.

Sincerely,

*Ms Martha B. Turnbore*

Martha B. Turnbore  
Regional Personnel Officer

Enclosures:

1. Form NRC 443 (2 copies)
2. Return envelope

RIII  
*MR*  
Turnbore/lm  
4/8/85

RIII  
*auth*  
Roy  
4/10

940-260039 *zpp*

*K/11*

REQUEST FOR APPOINTMENT OF A CONSULTANT, EXPERT OR MEMBER

INSTRUCTIONS

- A. INITIAL EMPLOYMENTS. COMPLETE NRC FORM 448, ALL THE FORMS SPECIFIED IN NRC FORM 254, PRIVACY ACT STATEMENT AND INSTRUCTIONS FOR COMPLETION OF SECURITY FORMS PACKET, STANDARD FORM (SF) 52, REQUEST FOR PERSONNEL ACTION, AND SF-171, PERSONAL QUALIFICATIONS STATEMENT. IN ADDITION, COMPLETE TWO COPIES OF SF-278, EXECUTIVE PERSONNEL FINANCIAL DISCLOSURE REPORT, IF THE APPOINTMENT IS EXPECTED TO EXCEED 60 DAYS IN A CALENDAR YEAR AND THE RATE OF PAY IS AT THE HOURLY RATE OF GG-16 AND ABOVE. IF EMPLOYMENT IS LESS THAN 60 DAYS IN A CALENDAR YEAR AND/OR LESS THAN THE HOURLY RATE OF A GG-16 OR ABOVE, COMPLETE ONE COPY OF NRC FORM 443, CONFIDENTIAL STATEMENT OF EMPLOYMENT AND FINANCIAL INTERESTS. DISTRIBUTION OF FORMS. FORWARD THE "PERSONNEL OFFICE PENDING" COPY OF NRC FORM 448 ALONG WITH THE SF-52, AND THOSE FORMS SPECIFIED IN NRC FORM 254 TO THE STAFFING SECTION, STAFFING AND POSITION EVALUATION BRANCH, DIVISION OF ORGANIZATION AND PERSONNEL. FORWARD THE REMAINDER OF THE SET ALONG WITH THE NRC FORM 443 OR SF-278 TO THE OFFICE OF THE GENERAL COUNSEL. RETAIN THE "EMPLOYING OFFICE" COPY FOR YOUR RECORDS.
- B. EXTENSIONS, RENEWALS, OR MODIFICATIONS. COMPLETE NRC FORM 448, SF-52, REQUEST FOR PERSONNEL ACTION, AND SF-172, AMENDMENT TO PERSONAL QUALIFICATIONS STATEMENT. IN ADDITION, IF THE EMPLOYEE WORKED MORE THAN 60 DAYS IN THE PREVIOUS CALENDAR YEAR, AND WAS PAID AT AN HOURLY RATE OF GG-16 AND ABOVE, COMPLETE TWO COPIES OF SF-278, EXECUTIVE PERSONNEL FINANCIAL DISCLOSURE REPORT. IF THE EMPLOYMENT WAS FOR LESS THAN 60 DAYS IN THE PREVIOUS CALENDAR YEAR AND/OR LESS THAN THE HOURLY RATE OF A GG-16 OR ABOVE, COMPLETE ONE COPY OF NRC FORM 443, CONFIDENTIAL STATEMENT OF EMPLOYMENT AND FINANCIAL INTERESTS. DISTRIBUTION OF FORMS. FORWARD THE "PERSONNEL OFFICE PENDING" COPY OF NRC FORM 448 ALONG WITH SF-52, AND SF-172 TO THE STAFFING SECTION, STAFFING AND POSITION EVALUATION BRANCH, DIVISION OF ORGANIZATION AND PERSONNEL. FORWARD THE REMAINDER OF THE SET ALONG WITH NRC FORM 443 OR SF-278 TO THE OFFICE OF THE GENERAL COUNSEL. RETAIN THE "EMPLOYING OFFICE" COPY FOR YOUR RECORDS.

A. REQUESTING OFFICE/DIVISION

1. NAME OF PROPOSED APPOINTMENT (Last, first, middle initial) <b>Saenger, Eugene L.</b>		2. DATE OF BIRTH MONTH DAY YEAR [REDACTED]		3. SOCIAL SECURITY NUMBER [REDACTED]	
4. TYPE OF APPOINTMENT		5. PERIOD OF SERVICE		6. PROPOSED PAY	
<input checked="" type="checkbox"/> NEW	<input type="checkbox"/> EXPERT	FROM	ESTIMATED NUMBER OF DAYS <b>45</b>	\$ <b>254.56</b>	<input checked="" type="checkbox"/> PER DIEM <input type="checkbox"/> PER HOUR <input type="checkbox"/> WOC
<input checked="" type="checkbox"/> RENEWAL	<input checked="" type="checkbox"/> CONSULTANT	07-01-85			
<input type="checkbox"/> MODIFICATION	<input type="checkbox"/> MEMBER	06-30-86			
7. CLEARANCE DATA					
<input checked="" type="checkbox"/> ACTIVE Q OR L					
<input type="checkbox"/> FORMER Q OR L					
<input type="checkbox"/> INITIAL Q OR L					

8. DESCRIPTION OF SERVICES OR PROJECT TO BE COMPLETED (Please be specific)

1. Furnish medical advice pertaining to possible radiation effects upon NRC licensees, their employees, or members of the public. 2. Furnish testimony as a medical expert. 3. Participate in selected conferences on effects of radiation and radioactive materials upon human beings.

9. JUSTIFICATION FOR PROPOSED PAY (Please be specific)

Commensurate with other NRC medical consultants

10. EXPENSES TO BE REIMBURSED ("X" box if none, otherwise specify)

Telephone calls in connection with assigned NRC work. Postage and other shipping charges related to NRC work. NTE \$75 per assignment. Copying charges related to NRC work NTE \$125 per assignment.

11. CERTIFICATION. These services do not unnecessarily duplicate any previously performed work or services.

SIGNATURE AND TYPED NAME - REQUESTER	TITLE	DATE	ORGANIZATION (Office, division, branch)
<b>J. A. Hind,</b>	<b>Director, DRSS</b>		<b>Region III</b>
SIGNATURE AND TYPED NAME - APPROVING OFFICIAL (Office Director/Deputy Director, cannot be telegraphed)	TITLE	OFFICE	
<b>James G. Keppler</b>	<b>Regional Administrator</b>	<b>Region III</b>	

B. FOR USE BY THE OFFICE OF THE GENERAL COUNSEL

INSTRUCTIONS COMPLETE THIS PORTION OF THIS FORM, RETAIN THE "GENERAL COUNSEL'S OFFICE" COPY, AND FORWARD THE REMAINDER OF THE SET TO THE STAFFING SECTION, POSITION AND EVALUATION BRANCH, DIVISION OF ORGANIZATION AND PERSONNEL.

I have reviewed the NRC Form 443, Confidential Statement of Employment and Financial Interests, or the SF-278, Executive Personnel Financial Disclosure Report, for the individual cited in A. 1. above, and on the basis thereof, find there is no legal objection to his/her employment from a conflict-of-interest standpoint.

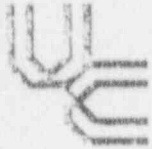
SIGNATURE - COUNSELOR OR DEPUTY COUNSELOR \_\_\_\_\_ DATE \_\_\_\_\_

C. FOR USE BY THE PERSONNEL OFFICE

INSTRUCTIONS FOR ALL REQUESTS, COMPLETE THIS PORTION OF THIS FORM, SECURE A VERBAL FUNDS APPROVAL, AND NOTE IN ITEM 8, FORWARD THE "FISCAL SECTION" COPY TO THE FISCAL SECTION, ADM, THE "PAYROLL" COPY ALONG WITH SF-50 TO THE PAYROLL OFFICE, AND RETAIN THE "OFFICIAL PERSONNEL FOLDER" COPY.

1. POSITION NUMBER	2. SPECIAL GOVERNMENT EMPLOYEE YES <input type="checkbox"/> NO <input type="checkbox"/>	3. SERIES	4. INITIALS - CLASSIFICATION SPECIALIST	5. CONTRACT NUMBER	6. EFFECTIVE DATE
7. SIGNATURE - STAFFING SPECIALIST	TITLE	DATE	<b>K/H</b>		
8. Funds are available to cover costs. (Signature)	TITLE	DATE			

University of Cincinnati  
Medical Center



University of Cincinnati Hospital  
University Hospital

234 Goodman Street  
Cincinnati, Ohio 45267-0577

*Wiederman*  
*at*  
*JW*

*misadministration*

34-06903-18

Eugene L. Saenger Radioisotope Laboratory  
Mail Location #577  
TELEPHONE (513) 872-4282

November 12, 1985

Mr. Donald Sreniawski  
U.S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

re: Misadministration concerning ~~XXXXXXXXXX~~

Dear Mr. Sreniawski,

Enclosed please find my report on the therapy misadministration at the Henry Ford Hospital, Detroit. This document was prepared in my capacity as Medical Consultant to the Nuclear Regulatory Commission.

Should you have any questions concerning this document, please contact me.

Sincerely,

*Eugene L. Saenger*

Eugene L. Saenger, M.D.  
Medical Consultant

ELS/sck  
enclosure

9311030323 *SPP*

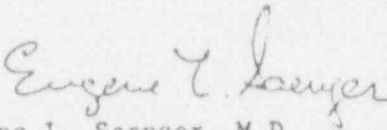
*K/13*  
~~11/13~~  
NOV 18 1985

Henry Ford Hospital, Detroit, Michigan

This case involved a 68 year old patient who was treated with Cobalt-60 radiation therapy to the whole brain to prevent metastases. The primary tumor site was a small cell carcinoma of the lung. The initial plan was to give her 3000 rads in 12 fractions of 250 rads each. The patient however received 3700 rads in 11 fractions. This treatment was completed on July 20, 1984. There were no immediate clinical sequelae.

I spoke with [REDACTED] on November 8, 1985. He informed me that the patient had died sometime within the past six months apparently from pneumonitis. She had no further problems resulting from the Cobalt-60 misadministration to the head.

In spite of the fact that the dose was approximately 35% greater than had been planned, the clinical consequences to this patient with far advanced cancer were negligible.

  
Eugene L. Saenger, M.D.  
Medical Consultant

ELS/sck

November 12, 1985

NRC FORM 148  
4-761  
NRCM 4139

U.S. NUCLEAR REGULATORY COMMISSION

UNIT (OC use only)

VOUCHER FOR PROFESSIONAL SERVICES

INSTRUCTIONS

This form shall be completed by all NRC consultants for claiming compensation for official authorized personal services. A signed original and two copies should be submitted to the NRC office authorizing the service.

TO: U.S. Nuclear Regulatory Commission		FROM: NAME OF CLAIMANT Eugene L. Saenger, M.D., Medical Consultant		
ATTENTION: NRC OFFICE AUTHORIZING THIS SERVICE Donald Sreniawski US NRC - Region III 799 Roosevelt Road		STREET ADDRESS: Radioisotope Lab - ML #577 University of Cincinnati Hospital		
CITY Glen Ellyn	STATE Illinois	ZIP CODE 60137	CITY Cincinnati	STATE OH
		ZIP CODE 60137	SOCIAL SECURITY NUMBER [REDACTED]	

DESCRIPTION OF CLAIM  
(All blocks must be completed)

CONTRACT:	NUMBER	DATE	AMOUNT CLAIMED	
	FROM	TO	DOLLARS	CENTS
	AT-(49-24)-1567	7-1-84 to 6-30-85		
PERIOD COVERED: (Dates)	7-23-84	11-12-85	11 hours @ \$31.82/hr =	
SERVICES PERFORMED: (Itemize on reverse)	NUMBER OF DAYS	PER DAY	\$ 350.02	\$318.20
	NUMBER OF HOURS	PER HOUR	(ADDITIONAL HOURS PERFORMED ON 11-11-85 & 11-12-85 SHOWN ON APPENDED SHEET WITH CORRECT RATE OF PAY)	
	10 hours	\$ 31.82		
RETIRED ANNUITANT:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	TOTAL AMOUNT CLAIMED	\$350.02 \$318.20

CERTIFICATION

I CERTIFY that the above account is just and true in all respects; that my statement of services correctly sets forth the services on official business; that the payment therefore has not been received; and that no compensation for any of the time shown above is payable from or will be claimed from any other source of the Federal Government or its cost reimbursable contractors.

(Claimant's Signature)

(Date of Certification)

OFFICE OF THE CONTROLLER USE ONLY

DIFFERENCE

AMOUNT VERIFIED CORRECT

SIGNATURE

APPROVAL

I CERTIFY that the above claim is just; that the above services were officially requested and performed; and that the expenses claimed are authorized.

*Donald Sreniawski*  
(Approving Officer's Signature)

5/8/86  
(Date Approved)

5/8/86

RATE OF COMPENSATION		SERVICES PERFORMED	
PER DAY	PER HOUR	PLACE(S) OF WORK PERFORMED	
\$ 254.56	\$ 31.82	Cincinnati, OH	
DATE	TIME WORKED OR IN AUTHORIZED STATUS (indicate which and a.m. or p.m.)		
	FROM	TO	TOTAL HOURS
* 7-23-84	8:00 AM	10:00 AM	2 hours
8-20-84	10:00 AM	2:00 PM	4 hours
8-22-84	1:00 PM	5:00 PM	4 hours
<p>Reg - Bill from Saenger Ltd 4/20 H. Ford Hosp.</p> <p>* this is type a/b</p> <p>8:45 - 10:45 AM 2 hours 3:00 - 3:00 PM 1 hour</p> <p>per Mrs. Karna on 5/8/86</p> <p>J. Schaefer</p>			

PRIVACY ACT STATEMENT

Pursuant to 5 U.S.C. 552a(e) (2), enacted into law by section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the Nuclear Regulatory Commission on Form NRC-14E. This information is maintained in a system of records designated as NRC 20 and described at 40 Federal Register 45341 (October 1, 1975).

- AUTHORITY** 31 U.S.C. 21, 22, 24, 49, 54, and 56a. Solicitation of the social security number is authorized under Executive Order 9297 dated November 22, 1943.
- PRINCIPAL PURPOSE(S)** Information entered on this form is used to secure payment for authorized claims for compensation.
- ROUTINE USES** Information on this form is used for transmittal to the U.S. Treasury for payment. The information may also be disclosed to an appropriate Federal, State, or local agency in the event the information indicates a violation or potential violation of law and in the course of an administrative or judicial proceeding. In addition, this information may be disclosed to Federal, State, and local agencies in the event of a...



SERVICES PERFORMED			
RATE OF COMPENSATION		PLACE (S) OF WORK PERFORMED	
PER DAY	PER HOUR		
\$ 254.56	\$ 31.82	Cincinnati, OH	
DATE	TIME WORKED OR IN AUTHORIZED STATUS (Indicate which and a.m. or p.m.)		
	FROM	TO	TOTAL HOURS
7-23-84	8:00 AM 2:00 PM	10:00 AM 3:00 PM	7 hours 1 hour
8-20-84	10:00 AM	2:00 PM	4 hours
8-22-84	1:00 PM	5:00 PM	4 hours

**PRIVACY ACT STATEMENT**

Pursuant to 5 U.S.C. 552a(e) (3), enacted into law by section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the Nuclear Regulatory Commission on Form NRC-148. This information is maintained in a system of records designated as NRC-20 and described at 40 Federal Register 45341 (October 1, 1975).

- AUTHORITY** 31 U.S.C. 21, 22, 24, 49, 54, and 66a. Solicitation of the social security number is authorized under Executive Order 9397 dated November 22, 1943.
- PRINCIPAL PURPOSE(S)** Information entered on this form is used to secure payment for authorized claims for compensation.
- ROUTINE USES** Information on this form is used for transmittal to the U.S. Treasury for payment. The information may also be disclosed to an appropriate Federal, State, or local agency in the event the information indicates a violation or potential violation of law and in the course of an administrative or judicial proceeding. In addition, this information may be transferred to an appropriate Federal, State, and local agency to the extent relevant and necessary for an NRC decision or to an appropriate Federal agency to the extent relevant and necessary for that agency's decision about you.
- WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PROVIDING INFORMATION** The supplying of this information is voluntary on your part. Failure to supply the information, however, may result in the denial of your claim for compensation. Your social security number is used as an identifier and its use is necessary because of the large number of present and former Federal employees with similar names and birth dates.
- SYSTEM MANAGER(S) AND ADDRESS** Controller, Office of the Controller, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555

May 9, 1986

Dr. Eugene L. Saenger

Dear Dr. Saenger:

The Nuclear Regulatory Commission (NRC) wishes to continue utilizing your services from July 1, 1986 through June 30, 1987.

NRC regulation requires current information regarding non-Federal employment and Federal retainer/contracts for employment of consultants. Enclosed are two copies of NRC Form 443 "Confidential Statement of Employment and Financial Interests." Please complete and return one copy of this form to me by May 23, 1986. Please answer each item completely without referring to previous year statements.

The availability of your services to the Nuclear Regulatory Commission has been and continues to be appreciated.

Sincerely,

*Ms Martha B. Turnbore*

Martha B. Turnbore  
Regional Personnel Officer

Enclosures:

1. Form NRC 443 (2 copies)
2. Return envelope

RIII

*[Signature]*  
Turnbore/lm  
4/23/86

RIII

*[Signature]*  
Roy  
5/8/86

*K/15*

~~940126050~~

*v.*

University of Cincinnati  
Medical Center



University of Cincinnati Hospital  
University Hospital

234 Goodman Street  
Cincinnati, Ohio 45267-0577

Eugene L. Saenger Radioisotope Laboratory  
Mail Location #577  
TELEPHONE (513) 872-4282

October 17, 1986

Mr. James G. Keppler, Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Dear Mr. Keppler,

Enclosed please find billing from Dr. Eugene L. Saenger for services rendered as a Medical Consultant. The evaluation involved the C-E Glass Company of St. Louis, MO as authorized by your letter of February 24, 1986.

Please contact me if you require further information.

Sincerely,

*Shira C. Karns*

Shira C. Karns  
Staff Assistant to Dr. Saenger

/s/  
enclosure  
cc: file

OCT 86 9:14

9311030326 IP

K/14

University of Cincinnati  
Medical Center



University of Cincinnati Hospital  
University Hospital

234 Goodman Street  
Cincinnati, Ohio 45267-0577

Eugene L. Saenger Radioisotope Laboratory  
Mail Location #577  
TELEPHONE (513) 872-4282

September 29, 1986

Mr. William Axelson  
U.S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Dear Mr. Axelson,

Enclosed please find billing from Eugene L. Saenger, M.D. for services rendered regarding the misadministration at the Christ Hospital in Cincinnati, Ohio. I found this billing dated April 25, 1986 and do not believe it has been submitted to you previously. This is the final bill from our office for services rendered during this fiscal year.

Please contact me if you should have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Shira C. Karns".

Shira C. Karns  
Staff Assistant

/s/  
enclosure

*Submitted for  
payment 10/12/86*

OCT 2 1986

~~9311030324~~

*7pp.*

NRC FORM 148  
14-761  
NRCM 4139

U.S. NUCLEAR REGULATORY COMMISSION

UNIT (OC use only)

### VOUCHER FOR PROFESSIONAL SERVICES

#### INSTRUCTIONS

This form shall be completed by all NRC consultants for claiming compensation for official authorized personal services. A signed original and two copies should be submitted to the NRC office authorizing the service.

TO: U.S. Nuclear Regulatory Commission		FROM: NAME OF CLAIMANT <i>EUGENE L. SAENGER, M.D.</i>	
ATTENTION: NRC OFFICE AUTHORIZING THIS SERVICE <i>JAMES G. KEPPLER, Reg. Admin. USNRC - Reg. III 799 ROOSEVELT ROAD</i>		STREET ADDRESS <i>RADIOISOTOPE LAB - H.L. # 577 University of Cincinnati Hospital</i>	
CITY <i>Glen Ellyn</i>	STATE <i>IL</i>	ZIP CODE <i>60137</i>	SOCIAL SECURITY NUMBER <i>[REDACTED]</i>
CITY <i>Cincinnati</i>		STATE <i>OHIO</i>	ZIP CODE <i>45267</i>

#### DESCRIPTION OF CLAIM

(All blocks must be completed)

CONTRACT:	NUMBER	DATE	AMOUNT CLAIMED	
	FROM	TO	DOLLARS	CENTS
	<i>AT-(49-24)-1567</i>	<i>7/1/85 - 6/30/86</i>	<i>131</i>	<i>68</i>
PERIOD COVERED:	NUMBER OF DAYS	PER DAY		
(Dates)	<i>2-21-86</i>	<i>10-7-86</i>		
SERVICES PERFORMED:	NUMBER OF HOURS	PER HOUR		
	(Itemize on reverse)	<i>4</i>		
RETIRED ANNUITANT: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	TOTAL AMOUNT CLAIMED		<i>131</i>	<i>68</i>

#### CERTIFICATION

I CERTIFY that the above account is just and true in all respects; that my statement of services correctly sets forth the services on official business; that the payment therefore has not been received; and that no compensation for any of the time shown above is payable from or will be claimed from any other source of the Federal Government or its cost reimbursable contractors.

*x Eugene L. Saenger*  
(Claimant's Signature)

(Date of Certification)

#### OFFICE OF THE CONTROLLER USE ONLY

DIFFERENCE

AMOUNT VERIFIED CORRECT

SIGNATURE

#### APPROVAL

I CERTIFY that the above claim is just; that the above services were officially requested and performed; and that the expenses claimed are authorized.

*DJ. Stenowski*  
(Approving Officer's Signature)

*10/22/86*  
(Date Approved)

RATE OF COMPENSATION		SERVICES PERFORMED	
PER DAY	PER HOUR	PLACE(S) OF WORK PERFORMED	
\$	\$ 32.92	Cincinnati, OHIO	
DATE	TIME WORKED OR IN AUTHORIZED STATUS (Indicate which and a.m. or p.m.)		
	FROM	TO	TOTAL HOURS
1986 2-21-86	10:20 AM	10:50 AM	.5
2-24-86	9:15 AM	9:45 AM	.5
3-6-86	1:10 PM	1:40 PM	.5
3-17-86	3:30 PM	4:00 PM	.5
4-3-86	10:00 AM	11:00 AM	1.0
10-7-86	2:10 PM	3:10 PM	1.0

PRIVACY ACT STATEMENT

Pursuant to 5 U.S.C. 552a(e) (3), enacted into law by section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the Nuclear Regulatory Commission on Form NRC-149. This information is maintained in a system of records designated as NRC-20 and described at 40 Federal Register 45341 (October 1, 1975).

- AUTHORITY** 31 U.S.C. 21, 22, 24, 49, 54, and 66a. Solicitation of the social security number is authorized under Executive Order 9397 dated November 22, 1943.
- PRINCIPAL PURPOSE(S)** Information entered on this form is used to secure payment for authorized claims for compensation.
- ROUTINE USES** Information on this form is used for transmittal to the U.S. Treasury for payment. The information may also be disclosed to an appropriate Federal, State, or local agency in the event the information indicates a violation or potential violation of law and in the course of an administrative or judicial proceeding. In addition, this information may be transferred to an appropriate Federal, State, and local agency to the extent relevant and necessary for an NRC decision or to an appropriate Federal agency to the extent relevant and necessary for that agency's decision about you.
- WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PROVIDING INFORMATION** The supplying of this information is voluntary on your part. Failure to supply the information, however, may result in the denial of your claim for compensation. Your social security number is used as an identifier and its use is necessary because of the large number of present and former Federal employees with similar names and birth dates.
- SYSTEM MANAGER(S) AND ADDRESS** Controller, Office of the Controller, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555

NRC FORM 148  
4-761  
NRCM 4139

U.S. NUCLEAR REGULATORY COMMISSION

UNIT (OC use only)

### VOUCHER FOR PROFESSIONAL SERVICES

#### INSTRUCTIONS

This form shall be completed by all NRC consultants for claiming compensation for official authorized personal services. A signed original and two copies should be submitted to the NRC office authorizing the service.

TO: U.S. Nuclear Regulatory Commission		FROM: NAME OF CLAIMANT Eugene L. Saenger, MD. Med. Cors.	
ATTENTION: NRC OFFICE AUTHORIZING THIS SERVICE William Axelson US NRC - Reg. III 799 Riverside + Rd.		STREET ADDRESS Radioisotope LAB - RLT# 577 University of Cincinnati Hospital	
CITY Glen Ellyn	STATE IL	ZIP CODE 60137	SOCIAL SECURITY NUMBER [REDACTED]
CITY Cincinnati	STATE OH	ZIP CODE 45267	

#### DESCRIPTION OF CLAIM (All blocks must be completed)

CONTRACT:	NUMBER	DATE	AMOUNT CLAIMED	
			DOLLARS	CENTS
	AT-(49-24)-1567	7-1-85 to 6-30-86	164	60
PERIOD COVERED: (Dates)	FROM	TO		
	8-13-85	11-12-85		
SERVICES PERFORMED: (Itemize on reverse)	NUMBER OF DAYS	PER DAY		
	NUMBER OF HOURS	PER HOUR		
	5	\$ 32.92		
RETIRED ANNUITANT:	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	TOTAL AMOUNT CLAIMED	164	60

#### CERTIFICATION

I CERTIFY that the above account is just and true in all respects; that my statement of services correctly sets forth the services on official business; that the payment therefore has not been received; and that no compensation for any of the time shown above is payable from or will be claimed from any other source of the Federal Government or its cost reimbursable contractors.

Eugene L. Saenger  
(Claimant's Signature)

April 25, 1986  
(Date of Certification)

#### OFFICE OF THE CONTROLLER USE ONLY

DIFFERENCE

AMOUNT VERIFIED CORRECT

SIGNATURE

#### APPROVAL

I CERTIFY that the above claim is just; that the above services were officially requested and performed; and that the expenses claimed are authorized.

D. J. Szymanski  
(Approving Officer's Signature)

10/22/86  
(Date Approved)

RATE OF COMPENSATION		SERVICES PERFORMED	
PER DAY	PER HOUR	PLACE(S) OF WORK PERFORMED	
\$	\$ 32.92	Cincinnati, OH	
DATE	TIME WORKED OR IN AUTHORIZED STATUS (Indicate which and a.m. or p.m.)		
	FROM	TO	TOTAL HOURS
8-13-85	8:00 AM	9:00 AM	1
8-21-85	9:15 AM	10:15 AM	2
11-12-85	8:00 AM	10:00 AM	2

#### PRIVACY ACT STATEMENT

Pursuant to 5 U.S.C. 552a(e) (3), enacted into law by section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the Nuclear Regulatory Commission on Form NRC-148. This information is maintained in a system of records designated as NRC-20 and described at 40 Federal Register 45341 (October 1, 1975).

- AUTHORITY** 31 U.S.C. 21, 22, 24, 49, 54, and 66a. Solicitation of the social security number is authorized under Executive Order 9397 dated November 22, 1943.
- PRINCIPAL PURPOSE(S)** Information entered on this form is used to secure payment for authorized claims for compensation.
- ROUTINE USES** Information on this form is used for transmittal to the U.S. Treasury for payment. The information may also be disclosed to an appropriate Federal, State, or local agency in the event the information indicates a violation or potential violation of law and in the course of an administrative or judicial proceeding. In addition, this information may be transferred to an appropriate Federal, State, and local agency to the extent relevant and necessary for an NRC decision or to an appropriate Federal agency to the extent relevant and necessary for that agency's decision about you.
- WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PROVIDING INFORMATION** The supplying of this information is voluntary on your part. Failure to supply the information, however, may result in the denial of your claim for compensation. Your social security number is used as an identifier and its use is necessary because of the large number of present and former Federal employees with similar names and birth dates.
- SYSTEM MANAGER(S) AND ADDRESS** Controller, Office of the Controller, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555.



NRC FORM 148  
64-761  
NRCM 4139

U.S. NUCLEAR REGULATORY COMMISSION

UNIT (OC use only)

### VOUCHER FOR PROFESSIONAL SERVICES

#### INSTRUCTIONS

This form shall be completed by all NRC consultants for claiming compensation for official authorized personal services. A signed original and two copies should be submitted to the NRC office authorizing the service.

TO: U.S. Nuclear Regulatory Commission		FROM: NAME OF CLAIMANT Eugene L. Saenger, M.D., Medical Consultant	
ATTENTION: NRC OFFICE AUTHORIZING THIS SERVICE Mr. William Axelson US NRC - Region III 799 Roosevelt Road		STREET ADDRESS: Radioisotope Lab - ML #577 University of Cincinnati Hospital	
CITY Glen Ellyn	STATE Illinois	ZIP CODE 60137	SOCIAL SECURITY NUMBER [REDACTED]

#### DESCRIPTION OF CLAIM (All blocks must be completed)

CONTRACT:	NUMBER	DATE	AMOUNT CLAIMED	
			DOLLARS	CENTS
	AT-(49-24)-1567	7-1-84 to 6-30-85		
PERIOD COVERED: (Dates)	FROM 6-26-85	TO 6-27-85	4 hours @ \$31.82/hr =	
SERVICES PERFORMED: (Itemize on reverse)	NUMBER OF DAYS	PER DAY	\$127.28	
	NUMBER OF HOURS	PER HOUR	(ADDITIONAL HOURS FOR 8-21;8-13 11-12-85 SHOWN ON APPENDED SHEET AT CORRECT RATE OF PAY)	
	4	\$ 31.82		
RETIRED ANNUITANT: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	TOTAL AMOUNT CLAIMED		\$127.28	

#### CERTIFICATION

I CERTIFY that the above statement is just and true in all respects; that my statement of services correctly sets forth the services of official business; that the payment therefore has not been received; and that no compensation for any of the time shown above is payable from or will be claimed from any other source of the Federal Government or its cost reimbursable contractors.

Eugene L. Saenger  
(Claimant's Signature)  
April 25, 1986  
(Date of Certification)

#### OFFICE OF THE CONTROLLER USE ONLY

DIFFERENCE  
AMOUNT VERIFIED CORRECT  
SIGNATURE

#### APPROVAL

I CERTIFY that the above claim is just; that the above services were officially requested and performed; and that the expenses claimed are authorized.

[Signature]  
(Approving Officer's Signature)  
10/22/86  
(Date Approved)

RATE OF COMPENSATION		SERVICES PERFORMED	
PER DAY	PER HOUR	PLACE(S) OF WORK PERFORMED	
\$ 254.56	\$ 31.82	Cincinnati, OH	
DATE	TIME WORKED OR IN AUTHORIZED STATUS (Indicate which and a.m. or p.m.)		
	FROM	TO	TOTAL HOURS
6-26-85	11:30 AM	12:30 AM	1 hour
6-27-85	9:15 AM	12:15 PM	3 hours
(ADDITIONAL HOURS WORKED ON 8-21; 8-13 & 11-12-85 SHOWN ON APPENDED SHEET AT CORRECT RATE OF PAY).			

**PRIVACY ACT STATEMENT**

Pursuant to 5 U.S.C. 552a(e) (3), enacted into law by section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the Nuclear Regulatory Commission on Form NRC-148. This information is maintained in a system of records designated as NRC-20 and described at 40 Federal Register 45341 (October 1, 1975).

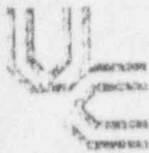
- 1. AUTHORITY** 31 U.S.C. 21, 22, 24, 49, 54, and 66a. Solicitation of the social security number is authorized under Executive Order 9397 dated November 22, 1943.
- 2. PRINCIPAL PURPOSE(S)** Information entered on this form is used to secure payment for authorized claims for compensation.
- 3. ROUTINE USES** Information on this form is used for transmittal to the U.S. Treasury for payment. The information may also be disclosed to an appropriate Federal, State, or local agency in the event the information indicates a violation or potential violation of law and in the course of an administrative or judicial proceeding. In addition, this information may be transferred to an appropriate Federal, State, and local agency to the extent relevant and necessary for an NRC decision or to an appropriate Federal agency to the extent relevant and necessary for that agency's decision about you.
- 4. WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PROVIDING INFORMATION** The supplying of this information is voluntary on your part. Failure to supply the information, however, may result in the denial of your claim for compensation. Your social security number is used as an identifier and its use is necessary because of the large number of present and former Federal employees with similar names and birth dates.
- 5. SYSTEM MANAGER(S) AND ADDRESS** Controller, Office of the Controller, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555

48-02096-01

University of Cincinnati  
Medical Center

University of Cincinnati Hospital  
University Hospital

Eugene L. Saenger Radioisotope Laboratory  
Mail Location #577  
TELEPHONE (513) 872-4282



234 Goodman Street  
Cincinnati, Ohio 45267-0577

January 21, 1987

[Redacted]

St. Luke's Hospital  
Department of Radiology  
1320 Wisconsin Avenue  
Racine, Wisconsin 53403

Dear [Redacted]

This letter will confirm our telephone conversation of January 21, 1987. I have been asked to evaluate this case by the Nuclear Regulatory Commission, Region III as was noted in their memorandum of December 12, 1986.

In order that I may make a report it will be necessary for me to know the demographic identification of the patient involved and the pertinent clinical findings leading up to the request for the nuclear medicine study. In order to make dosimetric estimates of the administered dose, I would appreciate receiving from you measurements of the uptake of the radioiodine and a copy of the scan. In addition any tests of thyroid function that you have obtained at the time of the misadministration would be helpful.

What steps have been taken concerning follow up of the patient and what plans do you have for the continuing follow up? What is your calculation as to the probability of hypothyroidism? Also, do you have data concerning the excretion of the radioiodine so that an effective half time can be calculated?

Upon receipt of this information, I shall be able to make my report to the Nuclear Regulatory Commission. Your cooperation in this matter is gratefully appreciated.

Sincerely,

*Eugene L. Saenger*

Eugene L. Saenger, M.D.

ELS/sck

cc: U.S. Nuclear Regulatory Commission,  
Region III

K/17

JAN 26 1987