

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter 1, Parts 30, 31, 32, 33, 34, 35, 39, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

93674

<p>Licensee</p> <p>1. St. Joseph Medical Center</p> <p>2. 700 Broadway Fort Wayne, IN 46802</p>		<p>In accordance with letter dated June 18, 1992</p> <p>3. License number 13-00418-02 is amended in its entirety to read as follows:</p>	
		<p>4. Expiration date January 31, 1996</p>	
		<p>5. Docket or Reference No 030-01581</p>	
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material identified in 10 CFR 35.100</p> <p>B. Any byproduct material identified in 10 CFR 35.200</p> <p>C. Any byproduct material identified in 10 CFR 35.300</p> <p>D. Any byproduct material identified in 10 CFR 35.400</p> <p>E. Any byproduct material identified in 10 CFR 35.500</p>	<p>7. Chemical and/or physical form</p> <p>A. Any radiopharmaceutical identified in 10 CFR 35.100</p> <p>B. Any radiopharmaceutical identified in 10 CFR 35.200 (excluding xenon-133)</p> <p>C. Any radiopharmaceutical identified in 10 CFR 35.300</p> <p>D. Any brachytherapy source identified in 10 CFR 35.400</p> <p>E. Sealed sources identified in 10 CFR 35.500</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As needed</p> <p>B. As needed</p> <p>C. As needed</p> <p>D. 1 curie</p> <p>E. As needed</p>	

9. Authorized Use:

- A. Medical use described in 10 CFR 35.100.
- B. Medical use described in 10 CFR 35.200 (excluding xenon-133)
- C. Medical use described in 10 CFR 35.300.

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PDR ADOCK 03001581
C PDR

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number
13-00418-02

Docket or Reference number
030-01581

Amendment No. 47

- D. Medical use described in 10 CFR 35.400.
- E. Medical use described in 10 CFR 35.500 in devices which have been evaluated and approved for licensing purposes by the U.S. Nuclear Regulatory Commission or an Agreement State.

CONDITIONS

10. Location of Use: 700 Broadway, Fort Wayne, Indiana
11. Radiation Safety Officer: Christopher L. Cowan, M.D.
12. Authorized Users:
- A. Fouad Halaby, M.D., for material in 10 CFR 35.100, 35.200 (excluding xenon-133), 35.300, 35.400 and 35.500.
 - B. Richard Bauman, M.D. for material in 10 CFR 35.100, 35.200 (excluding xenon-133), 35.300 and 35.500.
 - C. John Pasalich, M.D., for material in 10 CFR 35.100, 35.200 (excluding xenon-133), 35.300 and 35.500.
 - D. Stephen R. Phillip, M.D., for material in 10 CFR 35.100, 35.200 (excluding xenon-133), 35.300 and 35.500.
 - E. Marc Thomas, M.D., for material in 10 CFR 35.100, 35.200 (excluding xenon-133), 35.300 and 35.500.
 - F. David Sorg, M.D., for iodine-131 for treatment of hyperthyroidism and cardiac dysfunction
 - G. Diane D. Daly, M.D., for material in 10 CFR 35.100, 35.200 (excluding xenon-133), 35.300 and 35.500.
 - H. Frederick N. Vandeman, M.D., for material in 10 CFR 35.100, 35.200 (excluding xenon-133), 35.300 (excluding iodine-131 for thyroid carcinoma) and 35.500.
 - I. Angela M. Fanizza-Orphanos, M.D., for material in 10 CFR 35.100, 35.200 (excluding xenon-133) and 35.500.
 - J. Charles H. Medbery, M.D., for material in 10 CFR 35.100, 35.200 (excluding xenon-133), 35.300 and 35.500.
 - K. Joseph R. Decamp, M.D., for material in 10 CFR 35.100, 35.200 (excluding xenon-133) and 35.500.
 - L. Christopher L. Cowan, M.D., for material in 10 CFR 35.100, 35.200 (excluding xenon-133), 35.300 and 35.500.

COPY

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number
13-00418-02

Docket or Reference number
030-01581

Amendment No. 47

13. Pursuant to Title 10, Chapter 1, Code of Federal Regulations, Part 40, "Domestic Licensing of Source Material," the licensee is authorized to possess, use, transfer, and import up to 999 kilograms of depleted uranium contained as shielding material in the molybdenum-99/technetium-99m generators authorized by this license.
14. The licensee shall maintain records of information important to safe and effective decommissioning at the address in Condition 10, per the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.
15. This license is based on the licensee's statements and representations listed below:
 - A. Application dated September 17, 1990; and
 - B. Letters dated November 20, 1990 and September 30, 1991

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date AUG 19 1992

By

Peter J. Lee
Materials Licensing Section, Region III

COPY

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LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

```
PROGRAM CODE: 02120  
STATUS CODE: 0  
FEE CATEGORY: 7C  
EXP. DATE: 19960131  
FEE COMMENTS: CODE 21  
DECOM FIN ASSUR REQD: N
```

A. REGION III

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: ST. JOSEPH MEDICAL CENTER
RECEIVED DATE: 920709
DOCKET NO: 3001581
CONTROL NO.: 393674
LICENSE NO.: 13-00418-02
ACTION TYPE: AMENDMENT

2. FEE ATTACHED AMOUNT: \$430.00
CHECK NO.: 04975

3. COMMENTS

SIGNED P. Lott
DATE 2-10-55

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED / U)

1. FEE CATEGORY AND AMOUNT: 7C 8430

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:
AMENDMENT
RENEWAL
LICENSE

SIGNED
DATE

RECEIVED

JUL 20 1992

REGION III

BETWEEN:

```
PROGRAM CODE: 02120  
STATUS CODE: Q  
FEE CATEGORY: 7C  
EXP. DATE: 19960131  
FEE COMMENTS: CODE 31  
DECOM FIN ASSUR REQD: N
```

LICENSE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: ST. JOSEPH MEDICAL CENTER
RECEIVED DATE: 920709
DOC# NO: 3001581
CONTROL NO.: 393674
LICENSE NO.: 13-00418-02
ACTION TYPE: AMENDMENT

2. FEE ATTACHED AMOUNT: \$130.00
CHECK NO.: 22935

3. COMMENTS

SIGNED
DATE

P. Lillaff
2-10-55

8. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED /__/)

1. FEE CATEGORY AND AMOUNT:

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:
AMENDMENT
RENEWAL
LICENSE

3. OTHER

SIGNATURE
DATE

100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000

senior Vice President & C.O.O.

 JF/kS

RECEIVED

JUL 09 1992

REFLECTION III

An Affiliate of Ancilla Systems

CONTROL NO. 93674



700 Broadway
Fort Wayne, IN 46802
(219) 425-3000

St. Joseph Medical Center

North Central Indiana Health System Affiliate

June 18, 1992

U.S. Nuclear Regulatory Commission
Region III
Licensing Section
799 Roosevelt Road
Glen Ellyn, IL 60137

Re: License #13-00418-02

Gentlemen:

We request amendment to our license #13-00418-02 to add Christopher L. Cowan, M.D. as a physician user for all materials on our license. Dr. Cowan's training and experience records are attached.

Additionally, please list Dr. Cowan as Radiation Safety Officer on our license. Dr. Pasalich is to remain on our license as a physician user.

We look forward to receiving this license amendment. Our check for \$430.00 to cover the amendment processing fee is enclosed.

Thank you.

Sincerely,

John Farrell
Senior Vice President & C.O.O.

JF/ks

Log	Jul 12 III
Number	79935
Check No.	430
Amount	7C and
Date	7/14
By	7/15
Signature	Kj

92 JUL 14 17:56

RECEIVED
DIVISION OF ACQUISITION

RECEIVED

JUL 09 1992

REGION III

An Affiliate of Ancilla Systems

CONTROL NO. 93674

The American Board of Nuclear Medicine

Incorporated 1971

Organized with the cooperation of the American Board of Internal Medicine,
American Board of Pathology, American Board of Radiology and the Society of Nuclear Medicine

Hereby certifies that

Christopher Lee Cowan, M.D.

has met the requirements of this Board and is
certified as qualified to practice as a specialist in
all aspects of clinical and laboratory

Nuclear Medicine

including but not limited to Radiobioassay, Nuclear Imaging,
in Vivo Measurements & Therapy with unsealed Radionuclides.

John P. Hanson

Wyle R. Blane
SECRETARY



05432
NUM. OF N.

9/9/89
DATE

J. HANSON

CONTROL NO. 98674

The American Board of Radiology

Organized through the cooperation of the
American College of Radiology, the American Roentgen Ray Society,
the American Radium Society, the Radiological Society of North America,
the Section on Radiology of the American Medical Association,
the American Society for Therapeutic Radiology and Oncology,
and the Association of University Radiologists

Hereby certifies that

Christopher Lee Cowan

Has pursued an accepted course of graduate study
and clinical work, has met certain standards and qualifications and
has passed the examinations conducted under the authority of

The American Board of Radiology

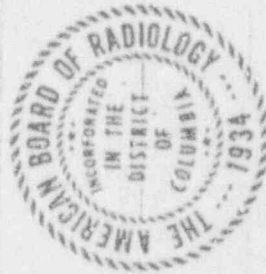
On this eleventh day of June, 1987

Thereby demonstrating to the satisfaction of the Board
that he is qualified to practice the specialty of

Diagnostic Radiology

M. Paul Capp, M.D.

Frank R. L. Kelly, M.D.
Secretary



TRAINING AND EXPERIENCE
AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER CHRISTOPHER L. CO'AN	2. STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE
--	--

3. CERTIFICATION		
SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C
Diagnostic Radiology		June 1987

4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES			
FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING B	TYPE AND LENGTH OF TRAINING	
		LECTURE/ LABORATORY COURSES (Hours) C	SUPERVISED LABORATORY EXPERIENCE (Hours) D
a. RADIATION PHYSICS AND INSTRUMENTATION	1 July 1987 - 30 June 1989 Letterman Army Medical Center San Francisco, CA 94129-6700	300	500
b. RADIATION PROTECTION	" "	100	200
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	" "	100	200
d. RADIATION BIOLOGY	" "	100	200
e. RADIOPHARMACEUTICAL CHEMISTRY	" "	100	200

5. EXPERIENCE WITH RADIATION, (Actual use of Radioisotopes or Equivalent Experience)				
ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Atomic #1's				
3-83	200 mCi	Letterman Army Medical Ctr	24 Mos (4,000 hrs)	Human
99 Mo	5000 mCi	" " " "	" "	"
99mTc	5000 mCi	" " " "	" "	"

PRECEPTOR STATEMENT

Supplement B must be completed by the applicant physician's preceptor. If more than one preceptor is necessary to document experience, obtain a separate statement from each.

1. APPLICANT PHYSICIAN'S NAME AND ADDRESS

FULL NAME

CHRISTOPHER L. COWAN

STREET ADDRESS

1441-A BATTERY CAULFIELD

CITY

STATE

ZIP CODE

PSF

CA

94129

KEY TO COLUMN 2

PERSONAL PARTICIPATION SHOULD CONSIST OF:

1-Supervised examination of patients to determine the suitability for radioisotope diagnosis and/or treatment and recommendation for prescribed dosage.

2-Collaboration in dose calibration and actual administration of dose to the patient including calculation of the radiation dose, related measurements and plotting of data.

3-Adequate period of training to enable physician to manage radioactive patients and follow patients through diagnosis and/or course of treatment.

2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN

ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheets.) D
I-131 or I-125	DIAGNOSIS OF THYROID FUNCTION	15	
	DETERMINATION OF BLOOD AND BLOOD PLASMA VOLUME	30	
	LIVER FUNCTION STUDIES	0	
	PAT ABSORPTION STUDIES	0	
	KIDNEY FUNCTION STUDIES	400	
	IN VITRO STUDIES	120,000	
OTHER	I-123 Thyroid Function	300	
I-125	DETECTION OF THROMBOSIS	0	
I-131	THYROID IMAGING	20	
P-32	EYE TUMOR LOCALIZATION	0	
Se-75	PANCREAS IMAGING	0	
Yb-169	CISTERNOGRAPHY	0	
Xe-133	BLOOD FLOW STUDIES AND PULMONARY FUNCTION STUDIES	130	
OTHER	Co-57 Schillings Test	60	
Tc-99m	BRAIN IMAGING	5	
	CARDIAC IMAGING	20	
	THYROID IMAGING	60	
	SALIVARY GLAND IMAGING	2	
	BLOOD POOL IMAGING	1400	
	PLACENTA LOCALIZATION	20	
	LIVER AND SPLEEN IMAGING	400	
	LUNG IMAGING	150	
	BONE IMAGING	4000	
OTHER		100	

PRECEPTOR STATEMENT (Continued)

2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN (Continued)

ISOTOPE	CONDITIONS DIAGNOSED OR TREATED	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheets.)
A	B	C	D
P-32 (Soluble)	TREATMENT OF POLYCYTHEMIA VERMIL, LEUKEMIA, AND BONE METASTASES	2	
P-32 (Colloid)	INTRACAVITARY TREATMENT	0	
I-131	TREATMENT OF THYROID CARCINOMA	20	
	TREATMENT OF HYPERTHYROIDISM	60	
Au-198	INTRACAVITARY TREATMENT	0	
Co-60 or Cs-137	INTERSTITIAL TREATMENT	0	
	INTRACAVITARY TREATMENT	0	
I-125 or Ir-192	INTERSTITIAL TREATMENT	0	
	TELETHERAPY TREATMENT	0	
Sr-90	TREATMENT OF EYE DISEASE	0	
	RADIOPHARMACEUTICAL PREPARATION		
Mo-99/ Tc-99m	GENERATOR	eluted (50) generators	
Sn-113/ In-113m	GENERATOR	0	
Tc-99m	REAGENT KITS Prepared sulfur colloid, MDP, in vitro RBCs, MAA, In-111-WBC, DTPA Sulfate, DMSA, DTPA		
Other	Sr-89 Cl treatment prostate cancer In-111 WBC Studies Tl-201 perfusion heart Ga-67 Citrate Studies In-111-DTPA cysternography I-131 NP 59 Adrenal Scintigraphy	1 200 350 200 4 2	99mTc-Sulfur Colloid Arthrograph-30 Tl-201-Parathyroid Imaging-20 99mTcO4-Testicular-5 I-123 IMP Brain-6

3. DATES AND TOTAL NUMBER OF HOURS RECEIVED IN CLINICAL RADIOISOTOPE TRAINING

1 July 1987 - 30 June 1989

4900 hours

4. THE TRAINING AND EXPERIENCE INDICATED ABOVE WAS OBTAINED UNDER THE SUPERVISION OF:

a. NAME OF SUPERVISOR

ROBERT J. LULL, M.D.

b. NAME OF INSTITUTION

LETTERMAN ARMY MEDICAL CENTER

c. MAILING ADDRESS

PRESIDIO OF SAN FRANCISCO

d. CITY

CALIFORNIA 94129-6700

5. MATERIALS LICENSE NUMBER(S)

06-01496-01

6. PRECEPTOR'S SIGNATURE

Robert J. Lull

7. PRECEPTOR'S NAME (Please type or print)

ROBERT J. LULL, M.D.

8. DATE

28 April 1989

19 May 1988

LAMC Reg 40-34

DATE: 28 April 1989

FOR OFFICE USE ONLY

Review: _____

RCC Approval: _____

SUMMARY OF RADIOLOGICAL QUALIFICATIONS

Name: Christopher L. Cowan

Dept: Nuclear Medicine

Phone: 561-3068

Formal Radiological Safety Training

Course Title	Date	Location	Duration	Subjects Covered
#8801	14 Sep-6 Nov87	Bethesda, MD	7 Weeks	Physics, Stats, Math
Medical Officer's				Instrumentation
Course in Nuclear				Radiobiology
Medicine and Radio-				Safety
isotope Techniques				

Radiological Instrument Experience

Instrument Type	Radionuclides Measured
CRC 50, 20 (dose Cal.)	TC, Mo, 123I, 131I, 111In, 67Ga, 32P, 89Sr, 133Xe, 201Tl
Eberline E-520 (survey)	

Several Gamma Cameras

Uptake probe

SPECT Camera & Computers

Radiological Safety Courses Instructed

Course Title	Date	Location	Level Audience (undergrad/grad)
Safe Use & Handling of Radioisotopes	May88	LAIR	"Acute Radiation Syndromes" Mixed audience

Other Nuclear Material Licenses Authorized Under

Type License	Level of Auth.	Location
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CURRICULUM VITAE
Christopher L. Cowan, M.D.

PRESENT ADDRESS

1441A Battery-Caulfield
Presidio of San Francisco, Ca. 94129
(415) 668-2047

SOCIAL SECURITY NUMBER

468-66-4985

DATE OF BIRTH

July 1, 1951
Minneapolis, Minnesota

MARITAL STATUS

Married
Carleen

CHILDREN

Elise 10 yrs

EDUCATION

PREMEDICAL

Institute of Technology
University of Minnesota
Minneapolis, Minnesota

1969-1972 (no degree)
Electrical Engineering

College of Biological Sciences
University of Minnesota
Minneapolis, Minnesota

1976-1978 BS
Biochemistry/Microbiology

MEDICAL

School of Medicine
University of Minnesota
Minneapolis, Minnesota

1978-1982 MD

INTERNSHIP

Letterman Army Medical Center
Presidio of San Francisco
San Francisco, California

July 1982 - June 1983
Flexible

RESIDENCY

Letterman Army Medical Center
Presidio of San Francisco
San Francisco, California

July 1983 - June 1987
Diagnostic Radiology

Chief Resident

July - September 1985
August - September 1986

FELLOWSHIP

Letterman Army Medical Center
Presidio of San Francisco
San Francisco, California

July 1987 - June 1989
Nuclear Medicine

CONTROL NO. 193674

CURRICULUM VITAE
Christopher L. Cowan, M.D.

BOARD CERTIFICATION

American College of Radiology
American Board of Nuclear Medicine

June 1987
September 1989

LICENSURE

California #G064589

September 1988

MEMBERSHIP IN SCIENTIFIC SOCIETIES

Radiological Society of North America
Society of Nuclear Medicine
American College of Nuclear Physicians

CURRENT POSITION

Department of Radiology
Letterman Army Medical Center
Presidio of San Francisco
San Francisco, California

Staff, General Radiology
July 1991 - present

PAST POSITIONS

Department of Nuclear Medicine
Letterman Army Medical Center

Teaching Staff
July 1989 - July 1991

Department of Radiology
Letterman Army Medical Center

Teaching Staff
July 1989 - July 1991

PRIOR MILITARY SERVICE

U.S. Army Security Agency
Defense Language Institute

1972 - 1974
March 1972 - March 1973
(Russian)

REFERENCES

Nuclear Medicine:

Robert J. Lull, MD
Chief, Nuclear Medicine Service
Department of Radiology
Letterman Army Medical Center
Presidio of San Francisco, Ca 94129
(415) 561-3088

Teaching chief during my nuclear
medicine training at Letterman.
Former consultant to the surgeon
general for nuclear medicine.

Radiology:

Frank L. Quattrocchi, MD
Chief, Department of Radiology
Fitzsimmons Army Medical Center
Aurora, Colorado 80045-5001
(303)-361-8131/3535

Teaching chief during my radiology
residency at Letterman.
Former consultant to the surgeon
general for diagnostic radiology.

Raoul O. Hagen, MD
Chief, Department of Radiology
Letterman Army Medical Center
Presidio of San Francisco, Ca 94129
(415) 561-3764

Current chief at Letterman and
former consultant.

Phillip R. Lucas, MD
Chief, Diagnostic Radiology
Letterman Army Medical Center
Presidio of San Francisco, Ca 94129
(415) 561-3764

Assistant chief of radiology at
Letterman during my radiology
residency.

CONTROL NO. 98674

AUG 21 1992

St. Joseph Medical Center
Attn: John Farrell
700 Broadway
Fort Wayne, IN 46802

Dear Mr Farrell:

Enclosed is Amendment No. 47 to your NRC License No. 13-00418-02 in accordance with your request.

Please note that Dr. Cowan is not authorized to use material in 10 CFR 35.400. Please refer to 10 CFR 35.940 for the training and experience requirement.

Please review the enclosed document carefully and be sure that you understand all conditions. You must conduct your program involving radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Possess radioactive material only in the quantity and form indicated in your license.
3. Use radioactive material only for the purpose(s) indicated in your license.
4. Notify NRC in writing of any change in mailing address.
5. Request and obtain appropriate amendment if you plan to change ownership of your organization, change locations of radioactive material, or make any other changes in your facility or program which are contrary to your license conditions or representations made in your license application and any supplemental correspondence with NRC. Any amendment request should be accompanied by the appropriate fee specified in 10 CFR Part 170.
6. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.

93674

AUG 21 1992

7. Request termination of your license if you plan to permanently discontinue activities involving radioactive material prior to your expiration date.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations in your license application will result in enforcement action against you in accordance with the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

If you have any questions or require clarification of any of the above stated information, contact us at (708) 790-5625.

Sincerely,

Original Signed By
Peter J. Lee, Ph.D.
Materials Licensing Section

Enclosure(s): Amendment No. 47

R111

Lee/caa
8/14/92