

MATERIALS LICENSE

Amendment No. 04

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 I, Parts 30, 31, 32, 33, 34, 35, 36, 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.

OFFICIAL RECORD COPY

<p>Licensee</p> <p>1. Consultants in Cardiology, P.A.</p> <p>2. 374 Millburn Avenue Millburn, New Jersey 07041</p>	<p>In accordance with the letter dated January 14, 1997, 3. License Number 29-28408-01 is amended in its entirety to read as follows:</p> <p>4. Expiration Date January 31, 2005</p> <p>5. Docket or Reference No. 030-31236</p>	
<p>6. Byproduct, Source, and/or Special Nuclear Material</p> <p>A. Any byproduct material identified in 10 CFR 35.200</p>	<p>7. Chemical and/or Physical Form</p> <p>A. Any radiopharmaceutical identified in 10 CFR 35.200 except generators and gas</p>	<p>8. Maximum Amount that Licensee May Possess at Any One Time Under This License</p> <p>A. As needed</p>
<p>9. Authorized use</p> <p>A. Any cardiac imaging and localization procedure approved in 10 CFR 35.200.</p>		

CONDITIONS

10. Licensed material may be used only at the licensee's facilities located at 374 Millburn Avenue, Millburn, New Jersey.
11. The Radiation Safety Officer for this license is Indrani Srinivasan, M.D.
12. Licensed material listed in Item 6 above is only authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated:

Authorized Users

Indrani Srinivasan, M.D.

Material and Use

35.200 for cardiovascular clinical procedures



130171

ML 10

9706130339 970527
PDR ADOCK 03031236
C PDR

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number 29-28408-01

Docket or Reference Number 030-31236

Amendment No. 04

13. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR 71, "Packaging and Transportation of Radioactive Material."
14. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated September 19, 1994
 - B. Letter dated November 14, 1994
 - C. Letter dated January 14, 1997

For the U.S. Nuclear Regulatory Commission

Original Signed By:

Michelle Beardsley

By

Nuclear Materials Safety Branch
Region I

King of Prussia, Pennsylvania 19406

MAY 27 1997

Date _____

MAY 27 1997

Indrani Srinivasan, M.D.
Radiation Safety Officer
Consultants in Cardiology, P.A.
374 Millburn Avenue
Millburn, NJ 07041

Dear Dr. Srinivasan:

This refers to your license amendment request. Enclosed with this letter is the amended license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5093 or 5239, so that we can provide appropriate corrections and answers.

Thank you for your cooperation.

Sincerely,

Original Signed By:
Michelle Beardsley

Michelle R. Beardsley
Division of Nuclear Materials Safety

License No. 29-28408-01
Docket No. 030-31236
Control No. 124208

Enclosure:
Amendment No. 04

DOCUMENT NAME: R:\WPS\MLTR\L2928408.01

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	<input checked="" type="checkbox"/> N	DNMS/RI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NAME	Beardsley						
DATE	02/06/97		02/ /97		02/ /97		02/ /97

OFFICIAL RECORD COPY

APPLICATION FOR MATERIAL LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATION WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555

ALL OTHER PERSONS FILE APPLICATION AS FOLLOWS:

IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND,
MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA,
RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:LICENSING ASSISTANT SECTION
NUCLEAR MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA,
PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR
WEST VIRGINIA, SEND APPLICATIONS TO:NUCLEAR MATERIALS SAFETY SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION II
101 MARETTA STREET, NW, SUITE 2900
ATLANTA, GA 30323

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR
WISCONSIN, SEND APPLICATIONS TO:MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, IL 60137ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA,
NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH,
OR WYOMING, SEND APPLICATIONS TO:MATERIAL RADIATION PROTECTION SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
811 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-9064ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON,
AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS
TO:NUCLEAR MATERIALS SAFETY SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION V
1450 MARIA LANE
WALNUT CREEK, CA 94596-5368

030-31236

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

A. NEW LICENSE

B. AMENDMENT TO LICENSE NUMBER 29-28408-01

C. RENEWAL OF LICENSE NUMBER

2. NAME AND MAILING ADDRESS OF APPLICANT (includes Zip Code)

Consultants in Cardiology, P.A.
374 Millburn Avenue
Millburn, New Jersey 07041

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED.

Consultants in Cardiology, P.A.
374 Millburn Avenue
Millburn, New Jersey 07041

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Michael W. Lairmore, Medical Physics Consultation

TELEPHONE NUMBER

(201) 447-3303

SUBMIT ITEMS 5 THROUGH 11 ON 8 1/2 x 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL.

a. Element and mass number, b. chemical and/or physical form, and c. maximum
amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR
TRAINING AND EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY 7C AMOUNT
ENCLOSED \$440.0013. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE
BINDING UPON THE APPLICANT.THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS
PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN,
IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948, 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION
TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

SIGNATURE - CERTIFYING OFFICIAL

TYPED/PRINTED NAME

TITLE

DATE

J. Srinivasan

Indrani Srinivasan, M.D.

Radiation Safety Officer

1/31/97

FOR NRC USE ONLY

TYPE OF FEE

FEE LOG

FEE CATEGORY

COMMENTS

AMOUNT RECEIVED

CHECK NUMBER

APPROVED BY

DATE

OFFICIAL RECORD COPY

ML 10

124208

CONSULTANTS IN CARDIOLOGY, P.A.

OUTPATIENT TESTING

DIPLOMATES AMERICAN BOARD OF INTERNAL MEDICINE
CARDIOVASCULAR DISEASE

DONALD ROTHFELD, M.D.

ROLAND WERRES, M.D.

JOHN CICCONE, M.D.

PAUL WANGENHEIM, M.D.

JACQUELINE SCHWANWEDE, M.D.

MARK GOLDBERG, M.D.

SCHOOL HOUSE PLAZA

374 MILLBURN AVENUE

MILLBURN, NEW JERSEY 07041

(201) 467-8955

FAX (201) 467-1172

January 14, 1997

Licensing Assistance Section
Nuclear Materials Safety Branch
U.S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

RE: Amendment Application
License Number: 29-28408-01

Dear License Reviewer:

Please amend our byproduct material license to reflect the following changes.

A new G.E. optima Camera has been purchased for use within the nuclear medicine department. The imaging and hot lab have been enlarged to accommodate this modification. A proposed facility diagram has been attached for your examination.

Commencement of operations (for the new camera) is intended for February 15, 1997. Any assistance you may provide in expediting this licensing request will be greatly appreciated.


New area survey maps and forms will be prepared to identify the locations analyzed on a daily and weekly frequency. Daily surveys will be conducted for the assessment for ambient exposure and weekly for the evaluation of removable contamination.

All additional conditions referenced on the byproduct material license are to remain unchanged.

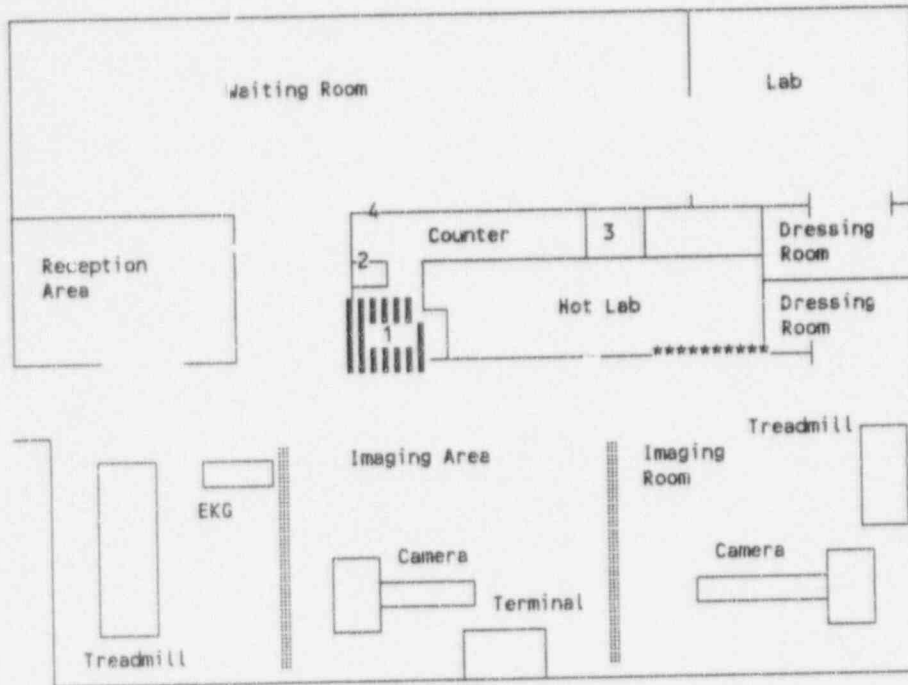
If you have additional questions regarding this amendment request, please contact Michael W. Lairmore or myself. Mr. Lairmore may be reached at (201) 447-3303.

We thank you in advance for your assistance within this licensing request.

Sincerely,




Indrani Srinivasan, M.D.
Radiation Safety Officer

Consultant In Cardiology
New Nuclear Medicine Diagram



Legend:

1. Preparation Area (L-Shield, Lead Castle)
 Leaded Bricks (2"x 4"x 8" 27 lbs)
2. Dose Calibrator
3. Sink
4. Ludlum 1000 & Scintillation Probe
5. Waste Storage Area (Lead-lined insert (1/8" lead 12" x 8" x 30"))

*** Lockable Door
 Lead Castle
 Curtain

LICENSE FEE REQUIREMENTS

LICENSE FEE AND DEBT COLLECTION BRANCH
DIVISION OF ACCOUNTING AND FINANCE
OFFICE OF THE CONTROLLER
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001CONSULTANTS IN CARDIOLOGY, P.A.
ATTN: INDRANI SRINIVASAN, M.D.
RADIATION SAFETY OFFICER
374 MILLBURN AVENUE
MILLBURN, NJ 07041

TYPE OF ACTION

- ☐
- NEW LICENSE
-
- ☐
- RENEWAL OF LICENSE
-
- ☒
- AMENDMENT TO LICENSE

REQUESTED DATE

1-31-97

LICENSE NUMBER

29-28408-01

CONTROL NUMBER

124208

I. APPLICATION FEE DUE

Your request for a licensing action is subject to the fee(s) in the category(ies) noted below in accordance with Section 170.31 of the enclosed Federal Register notice. Payment of the fee is required prior to the issuance of the license, renewal, or amendment.

FEE CATEGORY	APPLICATION	RENEWAL	AMENDMENT
7C	\$	\$	\$ 440.00
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$

FEE(s) DUE	\$	440.00
PAYMENT RECEIVED	\$	430.00
AMOUNT DUE	\$	10.00

- ☒
- Your request was received without the prescribed application fee.

- ☒
- We received your Check No.
- ~~7C~~
- NO NUMBER ON CHECK
- in the amount of \$ 430.00. Payment of the additional fee noted above is required.

- ☐
- Your request will increase the scope of your license program. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(d)(2).

- ☐
- Your license expired prior to the receipt of your application for renewal. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(a).

MAKE PAYMENT OF THE FEE(S) TO THE U.S. NUCLEAR REGULATORY COMMISSION AND MAIL THE PAYMENT TO THE ADDRESS LISTED AT THE TOP OF THIS FORM. IF WE DO NOT RECEIVE A REPLY FROM YOU WITHIN 30 CALENDAR DAYS FROM THE DATE LISTED BELOW, WE SHALL ASSUME THAT YOU DO NOT WISH TO PURSUE YOUR APPLICATION AND WILL VOID THIS ACTION.

II. FEE NOT REQUIRED

- ☐
- Enclosed is Check No. _____ which accompanied your request. The fee is not required because:
-
- ☐
- We received your Check No. _____ in payment of the fee.
-
- ☐
- The Licensing staff has informed us that your request is to be considered as a continuation of your request dated _____, Control No. _____.
-
- ☐
- Your request was combined, prior to review, with your request, Control No. _____.

III. CHECK RETURNED

- ☐
- Enclosed is Check No. _____ which was returned to us by the bank for:
-
- ☐
- INSUFFICIENT FUNDS
-
- ☐
- ACCOUNT CLOSED
-
- ☐
- OTHER

MAIL THE REPLACEMENT CHECK TO THE ADDRESS LISTED AT THE TOP OF THIS FORM AND REFERENCE THE ABOVE CONTROL NUMBER.

IV. LICENSE ISSUED WITHOUT THE REQUIRED FEE

- ☐
- License No. _____ Amendment No. _____, issued on _____, was issued without the required fee being collected. The fee required is noted in Section I of this form.
-
- ☐
- The scope of your licensed program was increased. Therefore, your request is subject to the application fee(s) noted in Section I of this form. Refer to Section 170.31 and Footnote 1(d)(2).
-
- ☐
- Because of the urgency of your request, the license was issued without remittance of the prescribed fee noted in Section I of this form.

SIGNATURE -- LICENSE FEE ANALYST

LFDCB

LFDCB

Distribution:

DATE

BRENDA BROWN 301-415-6055

BB *BB*
3/7/97Region I LFARE R/F
Pending OC/DAF R/F
BBrown OC/DAF S/F (LF-3.2.7)

3-7-97

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

```

: PROGRAM CODE: 02201
: STATUS CODE: 0
: FEE CATEGORY: 7C
: EXP. DATE: 20050131
: FEE COMMENTS: -----
: DECOM FIN ASSUR REQD: N
:

```

A. REGION II

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: CONSULTANTS IN CARDIOLOGY, P.A.
RECEIVED DATE: 970203
DOCKET NO: 3031236
CONTROL NO.: 124208
LICENSE NO.: 29-28408-01
ACTION TYPE: AMENDMENT

2. FEE ATTACHED
AMOUNT: 430.00
CHECK NO.: NO NUMBER

- SIGNED M. A. Lerman
DATE 2/4/92

- B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED)
- ☒

1. FEE CATEGORY AND AMOUNT: 7C 8440

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

3. OTHER -----

SIGNED _____
DATE _____

Log Feb 11
 Remitter _____
 Check No. NO A/CN CHECK / 4237
 Amount \$430 + \$10
 Fee Category 2C
 Type of Fee AMD
 Date Check Rec'd 3/7/97
 Date Completed 5/15/97
 By: EB

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