

MATERIALS LICENSE

Amendment No. 31

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.

301716

Licensee

1. Bronson Methodist Hospital

2. 252 East Lovell Street
Kalamazoo, MI 49007In accordance with letter dated
August 2, 19963. License Number 21-13125-01 is amended in
its entirety to read as follows:

4. Expiration Date October 31, 2000

5. Docket or
Reference No. 030-021466. Byproduct, Source, and/or
Special Nuclear Material7. Chemical and/or Physical
Form8. Maximum Amount that Licensee
May Possess at Any One Time
Under This LicenseA. Any byproduct
material identified
in 10 CFR 35.100B. Any byproduct
material identified
in 10 CFR 35.200C. Any byproduct
material identified
in 10 CFR 35.300D. Any byproduct
material identified
in 10 CFR 35.400E. Any byproduct
material identified
in 10 CFR 31.11F. Uranium depleted in
Uranium-235

G. Hydrogen-3

H. Carbon-14

A. Any
radiopharmaceutical
identified in 10 CFR
35.100B. Any
radiopharmaceutical
identified in 10 CFR
35.200C. Any
radiopharmaceutical
identified in 10 CFR
35.300D. Any brachytherapy
source identified in
10 CFR 35.400

E. Prepackaged Kits

F. Cadmium plated metal

G. Any

H. Any

A. As needed

B. As needed

C. As needed

D. As needed

E. As needed

F. As needed

G. 50 millicuries

H. 50 millicuries

220037

9610220273 960919
PDR ADOCK 03002146
C PDR

COPY

ML
230
SD

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

21-13125-01

Docket or Reference Number

030-02146

Amendment No. 31

6. Byproduct, source, and/or special nuclear material
7. Chemical and/or physical form
8. Maximum amount that licensee may possess at any one time under this license

I. Cesium-137

I. Sealed sources
(Nordion
International Inc.
Model No. C-1001
Isomedix Inc.
ISO-1000)

I. 1730 curies

9. Authorized Use:

- A. Medical use described in 10 CFR 35.100.
- B. Medical use described in 10 CFR 35.200.
- C. Medical use described in 10 CFR 35.300.
- D. Medical use described in 10 CFR 35.400.
- E. In vitro studies.
- F. Shielding in a linear accelerator.
- G. and H. For human use studies as approved by the Radioactive Drug Research Committee (FDA Committee Approval Number 85).
- I. To be used in Nordion International Inc. Model Gammacell 1000 Elite A self-contained irradiator for irradiation of blood products.

CONDITIONS

10. Location of Use: 252 East Lovell Street, Kalamazoo, Michigan.
11. Radiation Safety Officer: Mark R. Watts, B.S., CNMT
12. Licensed material listed in Subitem 6.I. shall only be used by, or under the supervision and in the physical presence of individuals who have successfully completed the manufacturer's training program for irradiator users, have been instructed in the licensee's routine and emergency operating procedures and who have been designated by the Radiation Safety Officer. The licensee shall maintain records of individuals designed as users and their training for five years following the last use of licensed material by the individual.

COPY

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

21-13125-01

Docket or Reference Number

030-02146

Amendment No. 31

13. Authorized Users:

- A. James A. Gardner, M.D., for material in 10 CFR 35.100, 35.200, 35.300 and 31.11.
- B. James R. Dolan, M.D., for material in 10 CFR 35.300 and 35.400.
- C. John W. Copenhaver, M.D., for material in 10 CFR 35.100, 35.200 (excluding generators, 35.300 (excluding I-131 for treatment of thyroid carcinoma) and 31.11.
- D. Geoffery Ames Wardell, M.D., for material in 10 CFR 35.100, 35.200 and 31.11.
- E. Arthur C. Laurell, M.D., for material in 10 CFR 35.100, 35.200 and 31.11.
- F. Douglas J. Wunderly, M.D., for material in 10 CFR 35.200 limited to cardiovascular clinical procedures.
- G. N. Warn Courtney, M.D., for material in 10 CFR 35.100, 35.200 (excluding Xenon-133), 35.300 and 31.11.
- H. Dennis P. Burke, M.D., for material in 10 CFR 35.100 and 35.200.
- I. Benjamin Allan Perry, M.D., for material in 10 CFR 35.200 limited to cardiovascular clinical procedures.
- J. Yoo Sup Hwang, M.D., for material in 10 CFR 35.400.
- K. Thomas McCormick, M.D., for material in 10 CFR 35.100, 35.200, and 31.11.
- L. Robert H. Jongeward, M.D., for material in 10 CFR 35.100, 35.200 and 31.11.
- M. George J. Balogh, M.D., for material in 10 CFR 35.100, 35.200 and 31.11.
- N. Robert Davis, M.D., for material in 10 CFR 35.100, 35.200 (excluding Xenon-133) and 35.300.
- O. Katherine Gadwood, M.D., for material in 10 CFR 35.100, 35.200 (excluding generators) and 31.11.
- P. Gary L. Bowman, D.O., for material in 10 CFR 35.100, 35.200 and 31.11.
- Q. Eduardo R. Crotte, M.D., for material in 10 CFR 35.100, 35.200 and 31.11.

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SUPPLEMENTARY SHEET

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030-02146

Amendment No. 31

- R. David F. Tague, M.D., for material in 10 CFR 35.100, 35.200 and 31.11.
- S. David G. Brachman, M.D., for material in 10 CFR 35.300 and 35.400.
- T. Jonathan Levi, M.D., for material in 10 CFR 35.200 limited to cardiovascular clinical procedures.
- U. Leonard A. Brunette, M.D., for material in 10 CFR 35.100, 35.200 and 31.11.
- V. Richard R. McConnell, M.D., for material in 35.100, 35.200, 35.300 (excluding Iodine-131 for thyroid carcinoma) and 31.11.
- W. Charles G. Hodgman, M.D., for material in 10 CFR 35.100, 35.200 and 31.11.
- X. Bruce D. Goethe, M.D., for material in 10 CFR 35.100, 35.200 and 31.11.
- Y. Patrick A. Sorek, M.D., for material in 10 CFR 35.100, 35.200 and 31.11.
- Z. Susan J. Phelps, M.D., for material in 10 CFR 35.100, 35.200 and 31.11.
- AA. Anthony King, M.D., for material in 10 CFR 35.200 limited to cardiovascular clinical studies.
- BB. Marc Bernstein, M.D., for material in 10 CFR 35.200 limited to cardiovascular clinical studies.
- CC. Thomas Tun Win, M.D., for material in 10 CFR 35.100, 35.200 and 35.300.
- DD. Ramon Raneses, M.D., for material in 10 CFR 35.200 limited to cardiovascular clinical studies.
- EE. James Alan Wheeler, M.D., for material in 10 CFR 35.300 and 35.400.
- FF. John Andrew Freeby, M.D., for material in 10 CFR 35.100, 35.200 and 31.11.
- GG. James Francis Mastromatteo, M.D., for material in 10 CFR 35.100, 35.200 and 31.11.
14. 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.

COPY

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Amendment No. 31

15. 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. Applications dated April 26, 1990 and March 2, 1992; and
- B. Letters dated April 15, 1992, May 6, 1992, August 4, 1992, July 8, 1993, August 24, 1993, November 22, 1993, February 3, 1994, May 19, 1995 (excluding Items 2. and 3.) and July 21, 1995.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date 19 September 1996By William D. Kunkel
Nuclear Materials Licensing Branch, Region III

COPY

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 02120
STATUS CODE: 0
FEE CATEGORY: 7C 2B 3E
EXP. DATE: 20001031
FEE COMMENTS: CODE 23
DECOM FIN ASSUR REQD: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: BRONSON METHODIST HOSPITAL
RECEIVED DATE: 960808
DOCKET NO: 3002146
CONTROL NO.: 301716
LICENSE NO.: 21-13125-01
ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: 0
CHECK NO.: 8

3. COMMENTS

SIGNED
DATE

D. Hersey
8-25-96

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

1. FEE CATEGORY AND AMOUNT: 7C \$440

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:

AMENDMENT ☒
RENEWAL
LICENSE

3. OTHER

SIGNED
DATE

SC
9/24/96

SEP 30 1996

Log	Aug 8 III
Remitter	
Check No.	602225
Amount	\$440
Fee Category	7C 2B 3E
Type of Fee	Am
Date Check Rec'd	9/24/96
Date Completed	
By	SC

S7
21

1996 AUG 20 PM 10:47

United States Nuclear Regulatory Commission
Region III
Materials Licensing
801 Warrenville Road
Lisle, Illinois 60532-4351

August 2, 1996

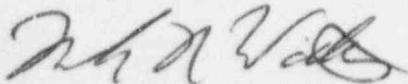
Dear Sirs:

Included in this letter is additional requests that need to be added to our last amendment request (Control # 301399). I was told I would still be able to add these additional authorized users pending the receipt of information I had been waiting for. Included in this letter the information for the three authorized users that are being requested to be added to our Materials License.

1. To add new radiologist, Dr. John A. Freeby, MD. Included is copy of his ABR certificate and State of Michigan Physician License.
2. To add new radiologist, Dr. James F. Mastromatteo, MD. Included is copy of his ABR certificate and State of Michigan Physician License.
3. To add a new cardiologist, Dr. Joel H. Reinoehl, MD., for material in 10 CFR 35.200 limited to cardiovascular studies. Included is his preceptor statement and copy of his State of Michigan Physician License.

I also have included three complete copies of this request for your use. Please feel free to contact me at the following phone numbers for any additional questions or information (616-341-6240, FAX 616-341-6250).

Sincerely Yours,



Mark R. Watts BS, RSO

Radiation Safety Officer
NRC License #21-13129-01

One Healthcare Plaza
Kalamazoo, Michigan 49007
616/341-6000

301716
RECEIVED
AUG 8 - 1996
REGION III

PM: 8/7/96

AUG 08 1996

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, the Association of
University Radiologists, and American Association of Physicists in Medicine*

Hereby certifies that

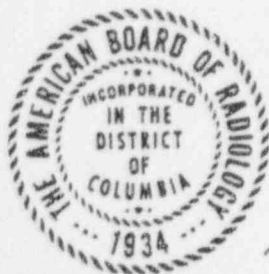
John Andrew Freeby, M.B.

*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 seventh day of June, 1995

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

Diagnostic Radiology



Douglas Maynard, MD
President

William J. Russell, MD
Secretary-Treasurer

M. Paul Capp, M.D.
Executive Director

JOHN ENGLER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF COMMERCE

I 168538

BOARD OF PHARMACY
CONTROLLED SUBSTANCE LICENSE

*THIS LICENSE VALID ONLY IF PROFESSIONAL LICENSE IS ACTIVE

JAMES F MASTROMATTEO MD
KALAMAZOO RADIOLOGY
524 SOUTH PARK STREET
KALAMAZOO MI 49007

PERMANENT LEE NO.
4301068719

EXPIRATION DATE
01/31/97

3546991

THIS DOCUMENT IS DULY
ISSUED UNDER THE LAWS OF
THE STATE OF MICHIGAN

JOHN ENGLER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF COMMERCE

I 168537

BOARD OF MEDICINE
PHYSICIAN
LICENSE

JAMES F MASTROMATTEO MD
KALAMAZOO RADIOLOGY
524 SOUTH PARK STREET
KALAMAZOO MI 49007

PERMANENT LEE NO.
4301068719

EXPIRATION DATE
01/31/97

3546990

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The American Journal of Radiology

Organized through the cooperation of the
American College of Radiology, the American Roentgen Ray Society,
the American Radiatum Society, the Radiological Society of North America,
the Section on Radiology of the American Medical Association,
the American Society for Therapeutic Radiology and Oncology, the Association of
University Radiologists, and American Association of Physicians in Medicine
Thereby certifies that

James Francis Mastromatteo, M.D.

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 seventh day of November, 1995

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

Diagnostic Radiology



Charles H. Hargrett, M.D. William J. Russell, M.D. by Paul Capp, M.D.
President Secretary Executive Director



JOHN ENGLER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF COMMERCE

I 031268

BOARD OF MEDICINE

PHYSICIAN
LICENSE

JOHN ANDREW FREEBY MD
524 SOUTH PARK STREET
KALAMAZOO MI 49007

PERMANENT I.D. NO.

EXPIRATION DATE

4301067264

01/31/97

3411072

THIS DOCUMENT IS DULY
ISSUED UNDER THE LAWS OF
THE STATE OF MICHIGAN.

JOHN ENGLER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF COMMERCE

I 031269

BOARD OF PHARMACY

CONTROLLED SUBSTANCE LICENSE

*THIS LICENSE VALID ONLY IF PROFESSIONAL LICENSE IS ACTIVE

JOHN ANDREW FREEBY MD
524 SOUTH PARK STREET
KALAMAZOO MI 49007

PERMANENT I.D. NO.

EXPIRATION DATE

4301067264

01/31/97

3411073

THIS DOCUMENT IS DULY
ISSUED UNDER THE LAWS OF
THE STATE OF MICHIGAN.

EXHIBIT 2
SUPPLEMENT A

SUPPLEMENT		U.S. NUCLEAR REGULATORY COMMISSION		
TRAINING AND EXPERIENCE AUTHORIZED USER OR RADIATION SAFETY OFFICER				
1. NAME OF PROPOSED AUTHORIZED USER OR RADIATION SAFETY OFFICER <i>Joel Reinvoehl, M.D.</i>		2. FOR PHYSICIANS, STATE OR TERRITORY WHERE LICENSED <i>MI</i>		
3. CERTIFICATION				
SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C		
<i>American Board of Internal Med American Board of Internal Med</i>	<i>Internal Medicine Cardiovascular Disease</i>	<i>Sept 1991 - 1995</i>		
4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES				
FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING B	TYPE AND LENGTH OF TRAINING CLOCK HOURS IN LECTURE OR LABORATORY D CLOCK HOURS OF SUPERVISED ON-THE-JOB EXPERIENCE E		
<i>a. RADIATION PHYSICS AND INSTRUMENTATION</i>	<i>Institute for Nuclear Medicine Education</i>	<i>100</i>		
<i>b. RADIATION PROTECTION</i>	<i>Institute for Nuclear Medical Education</i>	<i>30</i>		
<i>c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY</i>	<i>Institute for Nuclear Medical Education</i>	<i>20</i>		
<i>d. RADIATION BIOLOGY</i>	<i>Institute for Nuclear Medical Education</i>	<i>20</i>		
<i>e. RADIOPHARMACEUTICAL CHEMISTRY</i>	<i>Institute for Nuclear Medical Education</i>	<i>30</i>		
5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)				
ISOTOPE	mCi USED AT ONE TIME	LOCATION	CLOCK HOURS	TYPE OF USE
<i>Mo-99</i>	<i>1000 mCi</i>	<i>Wayne State University</i>		<i>Diagnostic</i>
<i>Tc-99m</i>	<i>1000 mCi</i>	<i>Wayne State University</i>		<i>Diagnostic</i>
<i>Tl-201</i>	<i>4.0 mCi</i>	<i>Wayne State University</i>		<i>Diagnostic</i>
<i>Cs-137</i>	<i>250 µCi</i>	<i>Wayne State University</i>		<i>Diagnostic</i>
<i>Co-57</i>	<i>10 mCi</i>	<i>Wayne State University</i>		<i>Diagnostic</i>

**EXHIBIT 3
SUPPLEMENT B**

SUPPLEMENT

U. S. NUCLEAR REGULATORY COMMISSION

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. PROPOSED PHYSICIAN USER'S NAME AND ADDRESS

FULL NAME

JOEL H. REYNOLDS MD

STREET ADDRESS

252 E. LOVELL, SUITE 101

CITY

KALAMAZOO

STATE

MI

ZIP CODE

49007

KEY TO COLUMN C



PERSONAL PARTICIPATION SHOULD CONSIST OF:

1-Supervised examination of patients to determine the suitability for radioactive 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-Acquire partial or 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 on duplicate or separate sheets.) D
	Thyroid scan		
	Thyroid uptake		
	Lung perfusion scan		
	Xenon ventilation study		
	Aerosol ventilation scan		
	Renal flow scan		
	Brain scan		
	Liver/spleen scan		
	Bone scan		
	Gastroesophageal study		
	LeVeen shunt study		
	Cystogram		
	Lacrystocystogram		
	Cardiac perfusion scan.	1000	
	Cardiac stress ventriculogram	~5	
	Cardiac rest ventriculogram	~5	
	Gallium scan		
			

EXH-6

EXHIBIT 3 (Continued)

PROPOSED PHYSICIAN USER

Joel Reinuehl, M.D.

PRECEPTOR STATEMENT (Continued)

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

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
P-32 (Soluble)	TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA, AND BONE METASTASES		
P-32 (Colloid)	INTRACAVITARY TREATMENT		
I-131	TREATMENT OF THYROID CARCINOMA		
	TREATMENT OF HYPERTHYROIDISM		
Au-198	INTRACAVITARY TREATMENT		
Co-60 or Co-137	INTERSTITIAL TREATMENT		
	INTRACAVITARY TREATMENT		
I-125 or Ir-192	INTERSTITIAL TREATMENT		
	TELETHERAPY TREATMENT		
Co-60 or Co-137	TELETHERAPY TREATMENT		
Sr-90	TREATMENT OF EYE DISEASE		
	RADIOPHARMACEUTICAL PREPARATION		
Mo-99/ Tc-99m	GENERATOR	5	
Sr-113/ In-113m	GENERATOR		
Tc-99m	REAGENT KITS	5	
Other	DOSE PHARMACEUTICALS	10	

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

LOCATION

DATES

CLOCK HOURS OF EXPERIENCE

WAYNE STATE UNIVERSITY

JULY 92-JUNE 94

7500 HOURS

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

a. NAME OF SUPERVISOR

HAYTHAM JABI MD

b. NAME OF INSTITUTION

WAYNE STATE UNIVERSITY HOSPITAL

c. MAILING ADDRESS

3990 JOHN R.

d. CITY

DETROIT MI

e. MATERIALS LICENSE NUMBER(s)

21-04127-02

f. PRECEPTOR'S SIGNATURE

R. Steinman

Russell T. Steinman, M.D.

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

HAYTHAM JABI MD

h. DATE

7/2/96

ELECTROPHYSIOLOGY CONSULTANTS

John J. Baga, M.D.

Michael H. Lehmann, M.D.

Luis A. Pires, M.D.

Claudio D. Schuger, M.D.

Russell T. Steinman, M.D.

14800 W. McNichols

Suite 314

Detroit, MI 48235

Phone: (313) 493-6395

Fax: (313) 493-7386

July 2, 1996

RE: Joel Reinoehl, M.D.

To Whom It May Concern:

I was the Cardiology Fellowship Director during Dr. Reinoehl's tenure at Wayne State University. At the time, Dr. Haytham Jabi was the nuclear cardiologist who directly supervised the clinical rotations and provided the didactic teaching.

Although Dr. Jabi has passed away, I feel comfortable reporting on Dr. Reinoehl's activities. Dr. Reinoehl gained a wide range of experience in evaluating the indication for, performance of, and quantitative and qualitative interpretation of a large number of nuclear cardiology scans. He had direct experience in Thallium and Technetium based scans using treadmill testing and dipyridamole, along with cardiac stress and rest ventriculograms. Dr. Reinoehl also had direct exposure to Tc-99m generator and reagent use along with the dosing of pharmaceuticals.

If you need anything further, please do not hesitate to contact me.

Sincerely,



Russell T. Steinman, M.D.

M432768 439

E OF LICENSE CONTAINS IMPORTANT INFORMATION.

N
IMERCE

H 959359

BOARD OF MEDICINE
PHYSICIAN
LICENSE

JOEL HUBERT REINOEHL MD
6778 BRICKLETON CT
PORTAGE MI 49002

PLACEMENT ID. NO.
4301052713

EXPIRATION DATE
01/31/99

3340011

THIS DOCUMENT IS NOT
ISSUED UNDER THE NAME OF
THE STATE OF MICHIGAN

CONTROLLED SUBSTANCE REGISTRATION CERTIFICATE
UNITED STATES DEPARTMENT OF JUSTICE
DRUG ENFORCEMENT ADMINISTRATION
WASHINGTON, D.C. 20537

Sections 304 and 1008 of the Controlled Substances Act of 1970, as amended, provide that the Attorney General may revoke or suspend a registration to manufacture, distribute, dispense, import or export a controlled substance.

DEA REGISTRATION
NUMBER

BR2151099

THIS REGISTRATION
EXPIRES

04-30-99

FEE
PAID

\$210.00

SCHEDULES

2,2N,3,3N,4,5 PRACTITIONER

BUSINESS ACTIVITY

DATE ISSUED

03-28-96

REINJEHL, JOEL H MD
ADVANCED CARDIAC HEALTHCARE
252 E. LOVELL
SUITE 101
KALAMAZOO, MI

49007

THIS CERTIFICATE IS NOT TRANSFERABLE ON CHANGE OF OWNERSHIP, CONTROL, LOCATION, BUSINESS ACTIVITY, OR VALID AFTER THE EXPIRATION DATE.

THE AMERICAN BOARD OF INTERNAL MEDICINE

Joel Hubert Reingold

HAS MET THE REQUIREMENTS OF THIS BOARD AND IS HEREBY
DESIGNATED A DIPLOMATE CERTIFIED IN
THE SPECIALTY OF

INTERNAL MEDICINE

FOR THE PERIOD 1991 THROUGH 2001



Handwritten signatures and names in the top left corner, including "John A. Smith" and "James H. Smith".

Handwritten signatures and names in the bottom left corner, including "Robert H. Smith" and "William H. Smith".

1991-2001

THE
 AMERICAN BOARD OF INTERNAL MEDICINE

BEFORE ME, the undersigned Authority,
 do hereby certify that

Joel H. Reinherz

HAS MET THE REQUIREMENTS OF THIS BOARD AND IS HEREBY
 CERTIFIED FOR THE PERIOD 1995 THROUGH 2005
 AS A DIPLOMATE IN

CARDIOVASCULAR DISEASE



James E. Levine

John A. Hill

Frank A. Miller

Bryant P. Spar

William H. Davis

William H. Davis

Robert O. Evans

David A. Evans

David A. Evans

David A. Evans

THE AMERICAN

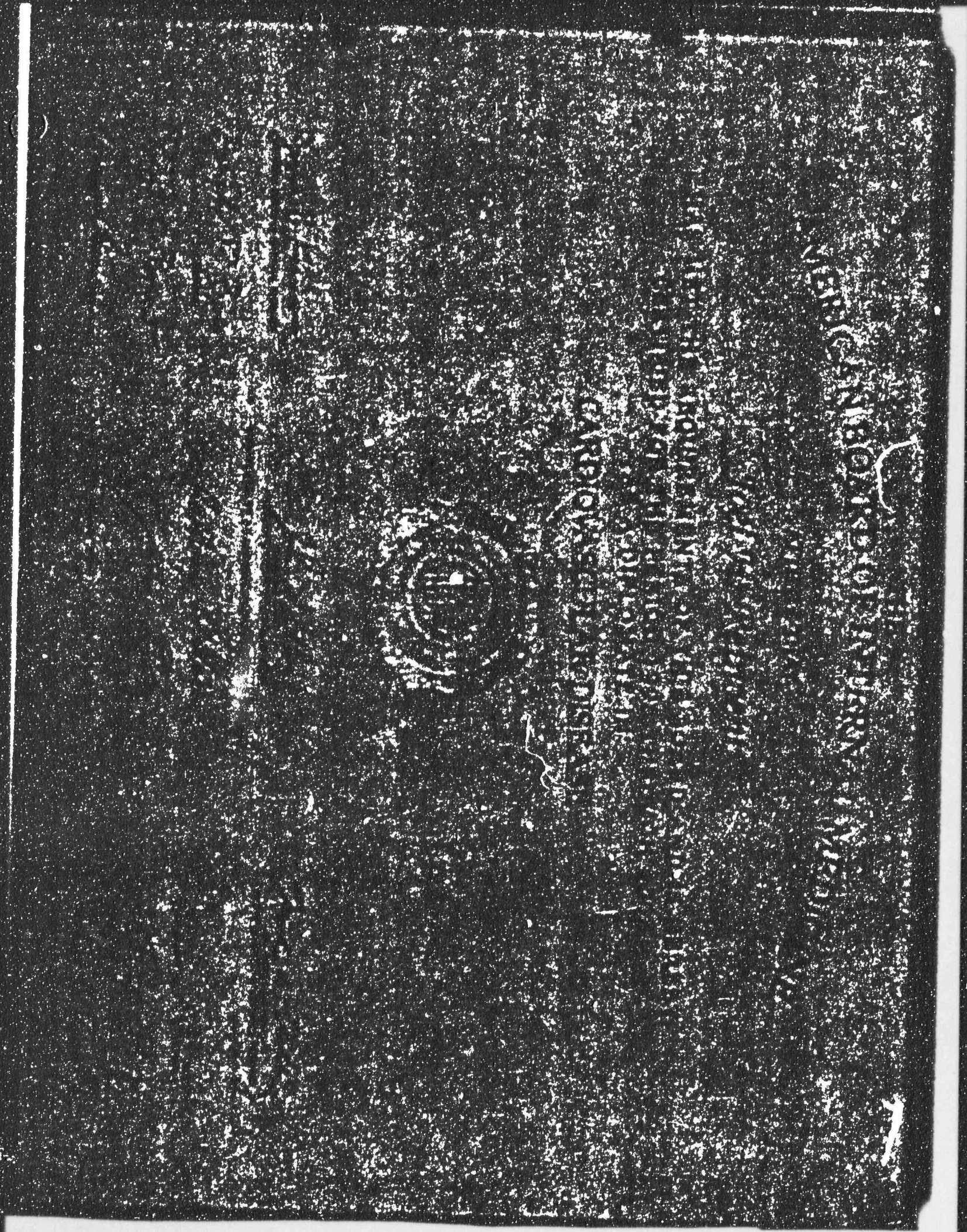
Orthodontic Association

MEMBERSHIP

INTERDENTAL MEDICINE

FOR THE PREVENTION OF PERIODONTIC DISEASE





NUCLEAR MEDICAL EDUCATION PROGRAM

Affidavit of Academic Completion and Competency

This document is to attest that

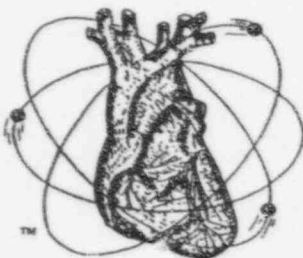
JOEL H. REINOEHL, M.D.

has successfully completed the didactic program

MEDICAL RADIATION INSTRUMENTATION

and has provided evidence of attendance in this program and evidence of achieving the objectives of this program through examination.

This program provides the following levels of accomplishment:



- 50 Didactic Instructional Hours (DIH)
(In compliance with 10CFR35)
- 5 Continuing Education Units (CEU)
- 50 Continuing Medical Education (CME)
- 50 Technical/Professional Credit specified by the
American Pharmaceutical Association and the
American Association of Health Physicists*

*additional documentation will be provided to Regulatory Agencies upon participant request

10 January 1996
Date Class Commenced

Authorized Signature

190300

Affidavit of Competency

INSTITUTE FOR NUCLEAR MEDICAL EDUCATION

5171 Eldorado Springs Drive, Boulder, CO 80303 — 800-548-4024

1132 INME 8/94

Certified, Approved and Regulated by the Division of Private Occupational Schools, Department of Higher Education in Colorado. Validated by the Accrediting Commission of the Accrediting Council for Continuing Education Training, a national accrediting agency listed by the US Secretary of Education. Validated by the American Council on Education, recognized by the American Association for Collegiate Registrars, Council on Post-Secondary Education.

NUCLEAR MEDICAL EDUCATION PROGRAM

Affidavit of Academic Completion and Competency

This document is to attest that

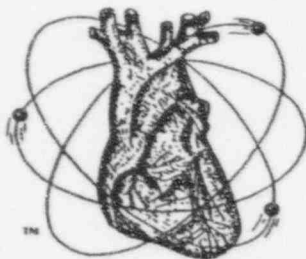
JOEL H. REINOEHL, M.D.

has successfully completed the didactic program

MEDICAL RADIATION PROTECTION

and has provided evidence of attendance in this program and evidence of achieving the objectives of this program through examination.

This program provides the following levels of accomplishment:



- 50 Didactic Instructional Hours (DIH)
(In compliance with 10CFR35)
- 5 Continuing Education Units (CEU)
- 50 Continuing Medical Education (CME)
- 50 Technical/Professional Credit specified by the
American Pharmaceutical Association and the
American Association of Health Physicists*

*additional documentation will be provided to Regulatory Agencies upon participant request

10 February 1996

Date Class Commenced

Authorized Signature

191061
Affidavit of Competency

INSTITUTE FOR NUCLEAR MEDICAL EDUCATION

5171 Eldorado Springs Drive, Boulder, CO 80303 — 800-548-4024

1132 INME 8/94

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NUCLEAR MEDICAL EDUCATION PROGRAM

Affidavit of Academic Completion and Competency

This document is to attest that

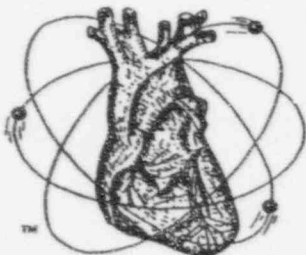
JOEL H. REINOEHL, M.D.

has successfully completed the didactic program

PRINCIPLES OF RADIATION PHYSICS

and has provided evidence of attendance in this program and evidence of achieving the objectives of this program through examination.

This program provides the following levels of accomplishment:



- 50 Didactic Instructional Hours (DIH)
(In compliance with 10CFR35)
- 5 Continuing Education Units (CEU)
- 50 Continuing Medical Education (CME)
- 50 Technical/Professional Credit specified by the
American Pharmaceutical Association and the
American Association of Health Physicists*

*additional documentation will be provided to Regulatory Agencies upon participant request

6 January 1996

Date Class Commenced

Authorized Signature

0190977

Affidavit of Competency

INSTITUTE FOR NUCLEAR MEDICAL EDUCATION

5171 Eldorado Springs Drive, Boulder, CO 80303 — 800-548-4024

1132 INME 8/94

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NUCLEAR MEDICAL EDUCATION PROGRAM

Affidavit of Academic Completion and Competency

This document is to attest that

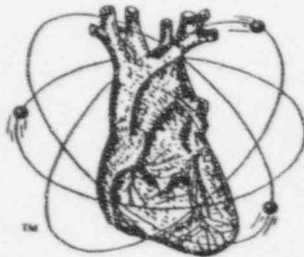
JOEL H. REINOEHL, M.D.

has successfully completed the didactic program

RADIOPHARMACEUTICALS AND CHEMISTRY

and has provided evidence of attendance in this program and evidence of achieving the objectives of this program through examination.

This program provides the following levels of accomplishment:

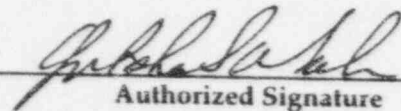


- 50 Didactic Instructional Hours (DIH)
(In compliance with 10CFR35)
- 5 Continuing Education Units (CEU)
- 50 Continuing Medical Education (CME)
- 50 Technical/Professional Credit specified by the
American Pharmaceutical Association and the
American Association of Health Physicists*

*additional documentation will be provided to Regulatory Agencies up on participant request

14 February 1996

Date Class Commenced


Authorized Signature

191097
Affidavit of Competency

INSTITUTE FOR NUCLEAR MEDICAL EDUCATION

5171 Eldorado Springs Drive, Boulder, CO 80303 — 800-548-4024

1132 INME 8/94

Certified, Approved and Regulated by the Division of Private Occupational Schools, Department of Higher Education in Colorado. Validated by the Accrediting Commission of the Accrediting Council for Continuing Education Training, a national accrediting agency listed by the US Secretary of Education. Validated by the American Council on Education, recognized by the American Association for Collegiate Registrars, Council on Post-Secondary Education.

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 20555-0001BRONSON METHODIST HOSPITAL
ATTN: MARK WATTS, BS
RADIATION SAFETY OFFICER
ONE HEALTHCARE PLAZA
KALAMAZOO, MICHIGAN 49007

TYPE OF ACTION

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

REQUESTED DATE

8-2-96

LICENSE NUMBER

21-13125-01

CONTROL NUMBER

301716

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	\$	0.00
AMOUNT DUE	\$	440.00

☒ Your request was received without the prescribed application fee.

☐ We received your Check No. _____ in the amount of _____ 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.

SIGNATURE -- LICENSE FEE ANALYST

Shirley Crutchfield
SHIRLEY CRUTCHFIELD

LFDCB

8/26/96

LFDCB

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 1 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 1 of this form.

Distribution:

Pending Fee File OC/DAF/SF(LF-3.2.7)
LFARB R/F (2) Region _____

DATE

Aug. 26, 1996

SEP 30 1996

Mark Watts, B.S., CNMT
Radiation Safety Officer
Bronson Methodist Hospital
252 East Lovell Street
Kalamazoo, MI 49007

Dear Mr. Watts:

Enclosed is Amendment No. 31 to your NRC Material License No. 21-13125-01 in accordance with your request.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Please note, as we discussed on September 17, 1996, we have not authorized Dr. Joel Reinoehl as a user at this time because he needs to show evidence that he completed 500 hours of supervised work experience in the items listed in 10 CFR 35.920(b)(2). If you wish to pursue this matter, please resubmit your request as additional information to Control 301716, to avoid an additional fee.

Also note, we have removed the license condition requiring decommissioning records because this requirement is in the regulations.

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct 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. Notify NRC, in writing, within 30 days:
 - a. When an authorized user or Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or
 - b. When the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).

301716

3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license when you decide to terminate all activities involving materials authorized under the license.
4. Request and obtain a license amendment before you:
 - a. Receive or use byproduct material for a clinical procedure permitted under Part 35 but not permitted by your license issued pursuant to this Part;
 - b. Permit anyone, except individuals described in 10 CFR 35.13(b), to work as an authorized user under the license;
 - c. Change Radiation Safety Officers;
 - d. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;
 - e. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or
 - f. Change ownership of your organization.
5. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC requirements,

M. Watts

-3-

prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,

Original Signed By
W. P. Reichhold
Nuclear Materials Licensing Branch

License No.: 21-13125-01
Docket No.: 030-02146

Enclosure: Amendment No. 31

DOCUMENT NAME: M:\03002146.CL6

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	DNMS/RIII								
NAME	WPREICHHOLD:jaw								
DATE	09/ /96								

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