

NRC FORM 313  
(4-2004)  
10 CFR 30, 32, 33,  
34, 35, 36, 39, and 40

## U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 10/31/2005

## APPLICATION FOR MATERIAL LICENSE

Estimated burden per response to comply with this mandatory collection request: 7 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to [infocollects@nrc.gov](mailto:infocollects@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

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 APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY  
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

## ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

## IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM  
DIVISION OF NUCLEAR MATERIALS SAFETY  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

## IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

NUCLEAR MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TX 76011-4005

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED 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 47-25358-01
- ☐ C. RENEWAL OF LICENSE NUMBER \_\_\_\_\_

## 2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)

Williamson Memorial Hospital  
859 Alderson Street  
Williamson, WV 25661

## 3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Williamson Memorial Hospital  
859 Alderson Street  
Williamson, WV 25661

## 4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

JEFF FREEMAN R.T.(R)(CT)

TELEPHONE NUMBER

304-235-2014 EXT 1718

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 EXPERIENCE.

SEE ATTACHED

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

## 9. FACILITIES AND EQUIPMENT.

## 10. RADIATION SAFETY PROGRAM.

## 11. WASTE MANAGEMENT.

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

FEE CATEGORY

AMOUNT  
ENCLOSED \$

## 13. 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, 36, 39, 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.

CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE

SIGNATURE

DATE

## FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

137010

NMSS/RGNI MATERIALS-002



## Williamson Memorial Hospital

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May 5, 2005

LICENSING ASSISTANCE TEAM  
DIVISION OF NUCLEAR MATERIALS SAFETY  
U.S. NUCLEAR REGULATORY COMMISSION REGION 1  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

**RE: License No. 47-25358-01**

**Docket No. 030-34138**

To Whom It May Concern:

Please allow this correspondence to serve as notification that Robert Smith, M.D. will be permanently discontinuing his performance of duties as an authorized user and Radiation Safety officer under this license effective May 20, 2005.

Ashok K. Patnaik, M.D. has been named by our Radiation Safety Committee as Radiation Safety Officer replacing Robert Smith, M.D.

Dr. Patnaik has met the training requirements for imaging and localization studies outlined in 10 CFR 35.920(b). A copy of his classroom and laboratory training certificates, as well as his work and clinical experience under the supervision of an authorized user is enclosed for your review. Dr. Patnaik has served as Radiation Safety Officer at this facility in the past.

Thank you for your attention to this matter.

Sincerely,

Jeff Rains  
Executive Director

**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 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.

<p>Licensee</p> <p>1. Williamson Memorial Hospital</p> <p>2. 859 Alderson Street Williamson, West Virginia 25601-8215</p>	<p>In accordance with the letter dated <b>January 16, 2004</b></p> <p>3. License No. 47-25358-01</p> <p>is amended in its entirety to read as follows:</p> <p>4. Expiration Date: August 31, 2011</p> <p>5. Docket No. 030-34138</p>
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|--|--|--|
| <p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.100</p> <p>B. Any byproduct material permitted by 10 CFR 35.200</p> <p>C. Any byproduct material permitted by 10 CFR 35.300</p> | <p>7. Chemical and/or physical form</p> <p>A. Any Sodium iodide liquid</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>Not to exceed<br/>3.7 gigabecquerels (GBq)<br/>(100 millicuries (mCi)) of<br/>I-131</p> |
|--|--|--|

9. Authorized Use:

- A. Any uptake, dilution, and excretion study permitted by 10 CFR 35.100.
- B. Any imaging and localization study permitted by 10 CFR 35.200.
- C. Any diagnostic study or therapeutic procedure permitted by 10 CFR 35.300.

**CONDITIONS**

10. Licensed material shall be used only at the licensee's facilities located at 859 Alderson Street, Williamson, West Virginia.
11. The Radiation Safety Officer for this license is **Robert Smith, M. D.**

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License No.  
47-25358-01Docket No.  
030-34138Amendment No.  
10

12. Licensed material is only authorized for use by, or under the supervision of:

- A. Individuals permitted to work as an authorized user, authorized nuclear pharmacist, and/or authorized medical physicist in accordance with 10 CFR 35.13 and 35.14.
- B. The following individuals are authorized users for the materials and uses indicated:

Authorized UsersMaterial and Use

Rajendra P. Valveti, M.D. 35.100; 35.200; iodine 131 for diagnostic studies permitted in accordance with 35.40 and 35.41

Ashok K. Patnaik, D. 35.100; 35.200

Robert Smith, M.D. 35.100; 35.200; 35.300

13. In addition to the possession limitations, the licensee shall not further restrict the possession of licensed material to quantities below the minimums specified in 10 CFR 35.40 or 35.41 for establishing decommissioning financial assurance.

14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

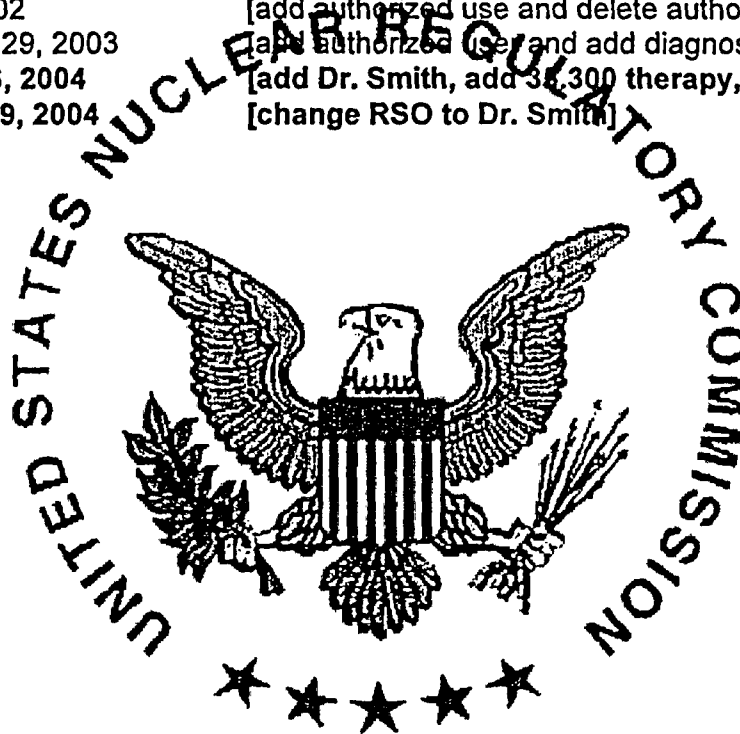
15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. 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 May 18, 2001 [complete renewal application]

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License No.  
47-25358-01Docket No.  
030-34138Amendment No.  
10

## 15. B. Letters dated (or received, as noted):

- 1) February 11, 2002 (rec'd) [add area of use]
- 2) February 20, 2002 [add user]
- 3) June 13, 2002 [change RSO]
- 4) July 10, 2002 [add authorized use and delete authorized user]
- 5) September 29, 2003 [add authorized use and add diagnostic uses in 35.300]
- 6) January 16, 2004 [add Dr. Smith, add 35.300 therapy, delete Dr. Joshi]
- 7) February 19, 2004 [change RSO to Dr. Smith]



FOR THE U. S. NUCLEAR REGULATORY COMMISSION

Date March 18, 2004By /RA/  
David J. Collins, Health Physicist  
Nuclear Materials Safety Branch 3  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406



**OUR LADY OF MERCY MEDICAL CENTER**  
*A University Hospital of New York Medical College*

Member of Our Lady of Mercy Healthcare System, Inc.

June 30, 2001

John Cardinal O'Connor Campus  
600 East 233rd Street  
Bronx, NY 10466-2697

Phone: 718/920-9000  
[www.ourladyofmercy.com](http://www.ourladyofmercy.com)

To Whom It May Concern:

This letter is to affirm that Ashok K. Patnaik, M.D. has obtained supervised nuclear medicine, nuclear cardiology, clinical and work experience in our institution. This experience, preceptorship, began July 1, 1999 and continued through June 30, 2001. This qualifies him for Level II training in nuclear cardiology. The clinical experience includes active participation in the following procedures:

- 1092 Gated (SPECT)
- 1092 Thallium/MIBI stress imaging/function procedures
- 1092 Thallium/MIBI rest imaging/function procedures
- 196 Thallium/MIBI rest imaging/function procedures with  
Coronary angiographic correlation
- 132 Ejection fraction calculation procedures/MUGA
- 1092 Wall motion evaluation studies

During this clinical experience the physician examined patients and reviewed histories to determine the suitability for these procedures; selected the suitable radiopharmaceutical and dose; administered radiopharmaceuticals using a syringe shield; collaborated with an authorized user in the interpretation of the procedures and used the interpretation in the management of patients.

The physician also obtained supervised work experience, which included but was not limited to the procedures for ordering, receiving and unpacking radioactive materials, Calibrating the dose calibrator and other instruments as well as check for proper operation; calculating the preparing patient dosages; using administrative controls to prevent misadministration; using procedures to contain spills and decontamination procedures.

The total hours of concurrent supervised clinical and work experience during this period was not less than 1000 hours.

Sincerely,

**RIHCARD LUCARIELLO, M.D., FACC, FACP**

Acting chief of Cardiology Our Lady of Mercy Medical Center

Clinical Assistant Professor of Medicine New York Medical College

Nuclear License Number 2900-91

# NUCLEAR MEDICAL EDUCATION PROGRAM

## Affidavit of Academic Completion & Competency

*This document is to attest that*

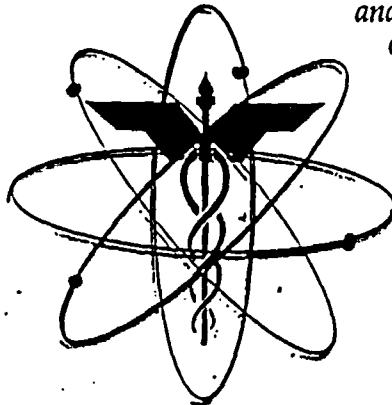
*Ashok K. Patnaik, MD*

*has successfully completed the didactic program*

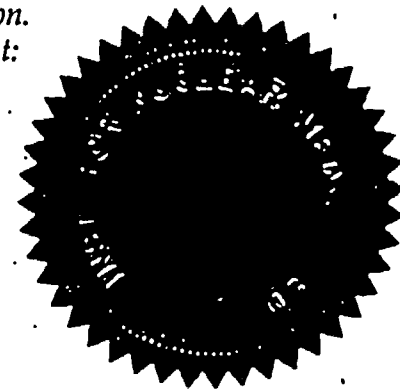
## MEDICAL RADIATION PROTECTION

*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:*



- 5.0 Continuing Education Units (CEU)
- 50 Didactic Instructional Hours (DIH)  
In compliance with 10CFR35/AEA 73-689
- 50 Board Accepted Hours NUSPEX, NMTCB III b,  
ABMRSO, CBNC, MRLB
- 3.0 Semester Hours American Council on  
Education (ACE), American Association for  
Collegiate Registrars



*Charles H. Fox*  
Certifying Official

**14 March 2001**

Date Completed

**199080**

Certification

## Institute for Nuclear Medical Education

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. Licensed by NRC & Agreement States.

INME1132-Class III-Comp&Comp 1/00

# NUCLEAR MEDICAL EDUCATION PROGRAM

## Affidavit of Academic Completion

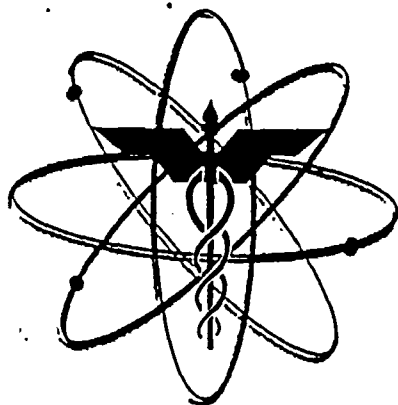
*This document is to attest that*

*Ashok K. Patnaik, MD*

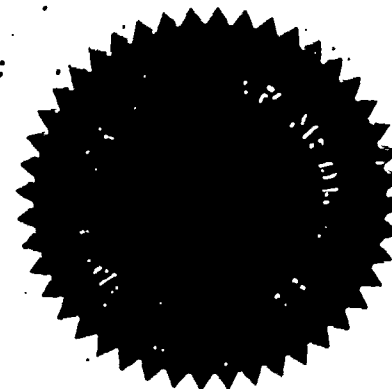
*has successfully completed the didactic program*

## RADIOPHARMACEUTICALS AND CHEMISTRY

*and has provided evidence of attendance in this program  
and evidence of achieving the objectives of program hours.  
This program provides the following levels of accomplishment:*



- 5.0 Continuing Education Units (CEU)
- 50 Didactic Instructional Hours (DIH)  
In compliance with 10CFR35/AEA 73-689
- 50 Board Accepted Hours NUSPEX, NMTCB III b,  
ABMRSO, CBNC, MRLB
- 3.0 Semester Hours American Council on  
Education (ACE), American Association for  
Collegiate Registrars



*Charles H. Rose*  
Certifying Official

18 March 2001

Date Completed

199148

Certification

## Institute for Nuclear Medical Education

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. Licensed by NRC & Agreement States.  
INME1132-Class IV-Complete 1/00



# NUCLEAR MEDICAL EDUCATION PROGRAM

## Affidavit of Academic Completion & Competency

*This document is to attest that*

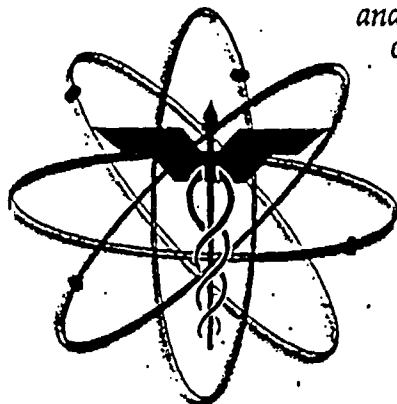
*Ashok Kumar Patnaik, MD*

*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:*



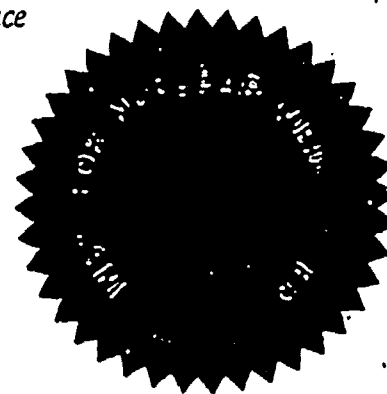
5.0 Continuing Education Units (CEU)

50 Didactic Instructional Hours (DIH)

In compliance with 10CFR35/AEA 73-689

50 Board Accepted Hours NUSPEX, NMTCB III b,  
ABMRSO, CBNC, MRLB

3.0 Semester Hours American Council on  
Education (ACE), American Association for  
Collegiate Registrars



*Charles H. Rose*  
Certifying Official

18 October 2000

Date Completed

198718

Certification

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INME1132-Class I-Comp&Comp 1/00

# NUCLEAR MEDICAL EDUCATION PROGRAM

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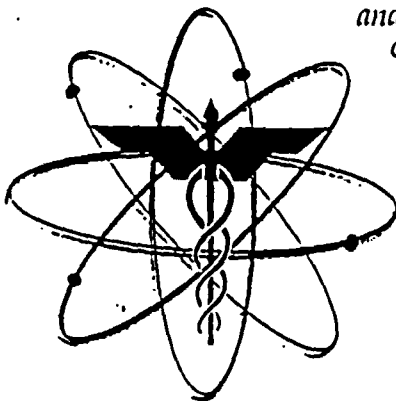
Ashok Kumar Patnaik, MD

*has successfully completed the didactic program*

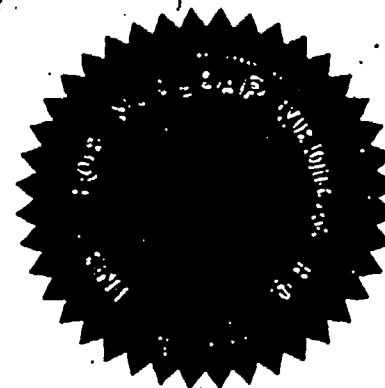
## MEDICAL RADIATION INSTRUMENTATION

*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:*



- 5.0 Continuing Education Units (CEU)
- 50 Didactic Instructional Hours (DIH)  
In compliance with 10CFR35/AEA 73-689
- 50 Board Accepted Hours NUSPEX, NMTCB III b,  
ABMRSO, CBNC, MRLB
- 3.0 Semester Hours American Council on  
Education (ACE), American Association for  
Collegiate Registrars



Charles H. Rose  
Certifying Official

22 October 2000  
Date Completed

198797  
Certification

## Institute for Nuclear Medical Education

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INME1132-Class II-Comp&Comp 1/00

AMEND

Reviewer Code: \_\_\_\_\_

MILESTONE FORM  
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Docket No.

License No.

Mail Control No.

137010

Licensee:

Milestone  
-----Date  
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- |    |  |                  |       |
|----|--|------------------|-------|
| 10 | Received by Section/Region                 | (LAS WILL ENTER) | _____ |
| 12 | Deemed Timely Letter Sent                  | (LAS WILL ENTER) | _____ |
| 13 | Assigned to Reviewer                       |                  | _____ |
| 14 | Deficiency Letter Sent                     | (LAS WILL ENTER) | _____ |
| 15 | Deficiency Telephone Call                  |                  | _____ |
| 16 | Deficiency Response Received               | (LAS WILL ENTER) | _____ |
| 17 | Threat to Abandon/Deny Letter Sent         | (LAS)            | _____ |
| 18 | Response to Abandon/Deny Letter Received   | (LAS)            | _____ |
| 19 | Regional Tech. Review/Outside Tech. Review | (TAR)            | _____ |
| 20 | Response to Technical Review               |                  | _____ |
| 21 | Typing                                     |                  | _____ |
| 22 | Licensing Action Completed                 | (LAS WILL ENTER) | _____ |
| 23 | Void                                       |                  | _____ |
| 24 | Denial                                     |                  | _____ |
| 25 | Abandonment                                |                  | _____ |

Reviewer Code: \_\_\_\_\_

This is to acknowledge the receipt of your letter/application dated

5/5/2005, and to inform you that the initial processing which includes an administrative review has been performed.

☒ AMEND. 47-25358-01 There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 137010.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.

BETWEEN: : (FOR LFMS USE)  
 : INFORMATION FROM LTS  
 : -----  
 :  
 License Fee Management Branch, ARM : Program Code: 02121  
 and : Status Code: 0  
 Regional Licensing Sections : Fee Category: 7C  
 : Exp. Date: 20110831  
 : Fee Comments: \_\_\_\_\_  
 : Decom Fin Assur Reqd: N  
 ::::::::::::::::::::::::::::::::::::::

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: WILLIAMSON MEMORIAL HOSPITAL  
Received Date: 20050509  
Docket No: 3034138  
Control No.: 137010  
License No.: 47-25358-01  
Action Type: Amendment

2. FEE ATTACHED

Amount: /  
Check No.: /

3. COMMENTS

Signed M. A. Berhina  
Date 5/13/2005

B. 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 \_\_\_\_\_  
\_\_\_\_\_

Signed \_\_\_\_\_  
Date \_\_\_\_\_