

Dukes Memorial Hospital

August 21, 2007

U.S. Nuclear Regulatory Commission
Region III
Nuclear Materials Licensing Section
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

Re: Amendment to license #13-18703-01

To Whom it May Concern:

We request amendment to our radioactive license #13-18703-01 to add Daniel LaMar, MD, as an authorized user for materials in 35.100 and 35.200. Training records for Dr. LaMar are attached.

Thank you,

Sincerely,



Debra Close, President / CEO

**AUTHORIZED USER TRAINING AND EXPERIENCE
AND PRECEPTOR ATTESTATION**
(for uses defined under 35.100, 35.200, and 35.500)
[10 CFR 35.190, 35.290, and 35.590]APPROVED BY OMB: NO. 3150-0120
EXPIRES: 10/31/2008

Name of Proposed Authorized User

Daniel Joseph LaMar

State or Territory Where Licensed

Indiana

Requested Authorization(s) (check all that apply)

- ☒ 35.100 Uptake, dilution, and excretion studies
- ☒ 35.200 Imaging and localization studies
- ☐ 35.500 Sealed sources for diagnosis (specify device)

PART I – TRAINING AND EXPERIENCE
(Select one of the three methods below)

* Training and Experience, including board certification, must have been obtained within the 7 years preceding the date of application or the individual must have obtained related continuing education and experience since the required training and experience was completed. Provide dates, duration, and description of continuing education and experience related to the uses checked above.

☐ **1. Board Certification**

- a. Provide a copy of the board certification.
- b. If using only 35.500 materials, stop here. If using 35.100 and 35.200 materials, skip to and complete Part II Preceptor Attestation.

☐ **2. Current 35.390 Authorized User Seeking Additional 35.290 Authorization**

- a. Authorized user on Materials License meeting 10 CFR 35.390 or equivalent Agreement State requirements seeking authorization for 35.290.
- b. Supervised Work Experience.
(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

Description of Experience	Location of Experience/License or Permit Number of Facility	Clock Hours	Dates of Experience*
Eluting generator systems appropriate for the preparation of radioactive drugs for imaging and localization studies, measuring and testing the eluate for radionuclidic purity, and processing the eluate with reagent kits to prepare labeled radioactive drugs			

Total Hours of Experience:

Supervising Individual

License/Permit Number listing supervising individual as an authorized user

Supervisor meets the requirements below, or equivalent Agreement State requirements (check all that apply).

- ☐ 35.290 ☐ 35.390 + generator experience in 32.290(c)(1)(ii)(G)

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

☒ 3. Training and Experience for Proposed Authorized User

a. Classroom and Laboratory Training.

Description of Training	Location of Training	Clock Hours	Dates of Training*
Radiation physics and instrumentation	Institute for Nuclear Medical Education Orlando, Florida	20	08/12/2006 to 08/20/2006
Radiation protection	Orlando, Florida	20	08/12/2006 to 08/20/2006
Mathematics pertaining to the use and measurement of radioactivity	Orlando, Florida	20	08/12/2006 to 08/20/2006
Chemistry of byproduct material for medical use (not required for 35.590)	Orlando, Florida	20	08/12/2006 to 08/20/2006
Radiation biology	Orlando, Florida	20	08/12/2006 to 08/20/2006

Total Hours of Training: 100

- b. Supervised Work Experience (completion of this table is not required for 35.590).
(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

Supervised Work Experience

Total Hours of Experience:

Description of Experience Must Include:	Location of Experience/License or Permit Number of Facility	Confirm	Dates of Experience*
Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys	Dukes Memorial Hospital, Peru, Indiana 13-18703-01	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	06/30/2006 to 08/17/2007
Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters	Dukes Memorial Hospital, Peru, Indiana 13-18703-01	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	06/30/2006 to 08/17/2007

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Training and Experience for Proposed Authorized User (continued)

b. Supervised Work Experience. (continued)

Description of Experience Must Include:	Location of Experience/License or Permit Number of Facility	Confirm	Dates of Experience*
Calculating, measuring, and safely preparing patient or human research subject dosages	Dukes Memorial Hospital, Peru, Indiana 13-18703-01	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	06/30/2006 to 08/17/2007
Using administrative controls to prevent a medical event involving the use of unsealed byproduct material	Dukes Memorial Hospital, Peru, Indiana 13-18703-01	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	06/30/2006 to 08/17/2007
Using procedures to contain spilled byproduct material safely and using proper decontamination procedures	Dukes Memorial Hospital, Peru, Indiana 13-18703-01	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	06/30/2006 to 08/17/2007
Administering dosages of radioactive drugs to patients or human research subjects	Dukes Memorial Hospital, Peru, Indiana 13-18703-01	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	06/30/2006 to 08/17/2007
Eluting generator systems appropriate for the preparation of radioactive drugs for imaging and localization studies, measuring and testing the eluate for radionuclidic purity, and processing the eluate with reagent kits to prepare labeled radioactive drugs		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Supervising Individual

Marvin Dziabis, M.D.

License/Permit Number listing supervising individual as an
authorized user

13-18703-01

Supervisor meets the requirements below, or equivalent Agreement State requirements (check one).

☐ 35.190☐ 35.290☒ 35.390☐ 35.390 + generator experience in 35.290(c)(1)(ii)(G)

c. For 35.590 only, provide documentation of training on use of the device.

Device	Type of Training	Location and Dates

d. For 35.500 uses only, stop here. For 35.100 and 35.200 uses, skip to and complete Part II Preceptor Attestation.

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

PART II – PRECEPTOR ATTESTATION

Note: This part must be completed by the individual's preceptor. The preceptor does not have to be the supervising individual as long as the preceptor provides, directs, or verifies training and experience required. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each. (Not required to meet training requirements in 35.590)

First Section

Check one of the following for each use requested:

For 35.190

Board Certification

☐ I attest that _____ has satisfactorily completed the requirements in

Name of Proposed Authorized User

10 CFR 35.190(a)(1) and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100.

OR

Training and Experience

☒ I attest that Daniel J. Lamar has satisfactorily completed the 60 hours of training and

Name of Proposed Authorized User

experience, including a minimum of 8 hours of classroom and laboratory training, required by 10 CFR 35.190(c)(1), and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100.

For 35.290

Board Certification

☐ I attest that _____ has satisfactorily completed the requirements in

Name of Proposed Authorized User

10 CFR 35.290(a)(1) and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100 and 35.200.

OR

Training and Experience

☒ I attest that Daniel J. Lamar has satisfactorily completed the 700 hours of training

Name of Proposed Authorized User

and experience, including a minimum of 80 hours of classroom and laboratory training, required by 10 CFR 35.290(c)(1), and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100 and 35.200.

Second Section

Complete the following for preceptor attestation and signature:

☒ I meet the requirements below, or equivalent Agreement State requirements, as an authorized user for:

☒ 35.190 ☒ 35.290 ☐ 35.390 ☐ 35.390 + generator experience

Name of Preceptor

Signature

Telephone Number

Date

MARVIN D. DZIBIS, M.D. Marvin D. Dzibis MD 765-472-0516 8-21-07

License/Permit Number/Facility Name

Dukes Memorial Hospital, Peru, IN #13-18703-01

8/17/2007

Nuclear Medicine Cases – Daniel J. LaMar, M.D.

Study	Number of cases
Cardiac SPECT	146
DEXA	141
HIDA	46
Bone Scan	82
Thyroid	7
Parathyroid	5
Ventilation/Perfusion	25
Gastric Emptying	5
MUGA	8
Gastrointestinal hemorrhage	2
<hr/>	
Total cases:	467
Total hours:	934

Schedule

1.	Nature of Matter Nuclear & Atomic Structure Forces of Nature Chart of Nuclides Electromagnetic Spectrum	10.	Detection Systems Biological Film/TLD Survey Meters Dose Calibrators
2.	Instability and Transmutation Alpha, Negatron Positron, Electron Capture Isomeric Transition Decay Schemes	11.	Scintillation Detectors Principles Crystal PMT PHA
3.	Interaction-Absorption Particulate Electromagnetic HVL, HVT Inverse Square Law	12.	Gamma Cameras Evolution Anger Principles Uniformity/Resolution Counting/Matrix
4.	Measurement Activity Physics Decay Factors Exposure/Gamma Constant Dose/Biological Effect	13.	Gamma Cameras Image Quality SPECT/Dynamics Nuclear Computers
5.	Mathematics and Physics Activity-Post and Pre Absorption-Shielding Exposure-Dose Monitoring	14.	Acquisition Uniformity, Resolution, COR Post Acquisition Image Quality Data Manipulation/Filtering SPECT Reconstruction
6.	Statistics Probability Risks/ALARA Risk Analysis Radiation Risks	15.	Regulations Part 35 RSO RSC Audits
7.	Radiation Biology Mechanisms of Absorption LET, Quality, RBE Radiation Effects Acute	16.	Applied Techniques Survey and Measurements Inventory and Control Exposure/Contamination Training/Instruction
8.	Chronic Genetic Cancer/Leukemia Embryo Regulations - Part 19	17.	Licensing/Authorization AU and RSO Possession Levels Records Ordering to Disposal
9.	Regulations - Part 20 Exposure Levels/Records Individual (20 & 35) Areas Emergency	18.	Examination

FUNDAMENTALS

Radioisotope Handling

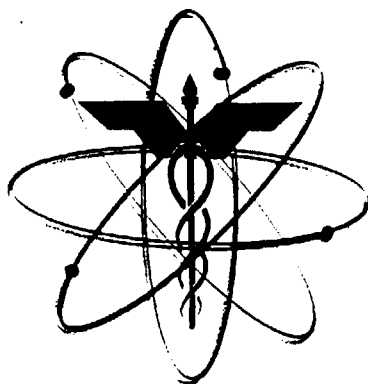
Attestation and Certification

Completion and Competency

This document is an affidavit that

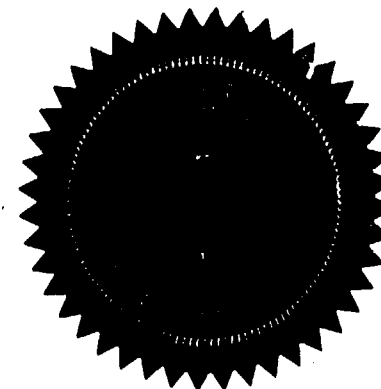
Daniel Joseph LaMar, M.D.

*has successfully completed the prescribed didactic program of
education and has achieved the objectives of this program
as evidenced by written examination*



This Program provides the following levels of documented accomplishment

- 10.0 Continuing Education Units (CEU)
- 100 Didactic Instructional Hours (DIH)
- In compliance with 10CFR35/AEA 73-689
- 100 Board Accepted Hours NUSPEX, NMTCB III b,
ABMRSO, ABR, ABNM, CBNC




Certifying Official

20 August 2006
Date Completed

203904
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 American Council on Education (ACE), recognized by the American Association for Collegiate Registrars, Council on Post-Secondary Education. Licensed by NRC & Agreement States.

INME1132-Class I-Compl&Comp 1/00

Dukes Memorial Hospital

LUTHERAN HEALTH NETWORK MEMBER

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