



GE Healthcare

3520 Progress Drive
Bensalem, PA 19020
USA

T 215 245 7805
F 215 245 4922

MS 16

Q-9

July 13, 2007

U. S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

03031990

Re: License No. 37-27830-02MD
Control No. 140652

Please find the current completed NRC Form 313A for the addition of Michael Lipcavage to our license.

Thank you for your assistance. I can be reached at (215)245-7805 to answer any questions you may have.

Sincerely,


Michael Hess R.Ph.
Facility RSO

RECEIVED
REGION 1
2007 JUL 16 AM 10:34

140652
NMSS/RGN1 MATERIALS-002

**AUTHORIZED NUCLEAR PHARMACIST TRAINING AND
EXPERIENCE AND PRECEPTOR ATTESTATION**
[10 CFR 35.55]

APPROVED BY OMB: NO. 3150-0120
EXPIRES: 10/31/2008

Name of Proposed Authorized Nuclear Pharmacist

Michael Lipcavage

State or Territory Where Licensed

Pennsylvania

PART I. TRAINING AND EXPERIENCE
(Select one of the two 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 nuclear pharmacy uses.

1. **Board Certification**

- a. Provide a copy of the board certification.
- b. Skip to and complete Part II Preceptor Attestation.

2. **Structured Educational Program for Proposed Authorized Nuclear Pharmacist**

- a. Classroom and Laboratory Training.

Description of Training	Location of Training	Clock Hours	Dates of Training*
Radiation physics and instrumentation	<i>Univ. of New Mexico online</i>	<i>100</i>	<i>6-1-04 to 8-11-04</i>
<i>Clinical Radiopharmacy</i>	<i>Univ. of New Mexico online</i>	<i>50</i>	<i>6-1-04 to 8-11-04</i>
Radiation protection		<i>30</i>	
Mathematics pertaining to the use and measurement of radioactivity	<i>Univ. of New Mexico Online</i>	<i>20</i>	<i>6-1-04 to 8-11-04</i>
Chemistry of byproduct material for medical use	<i>Univ. of New Mexico Online</i>	<i>30</i>	<i>6-1-04 to 8-11-04</i>
Radiation biology	<i>Univ. of New Mexico Online</i>	<i>20</i>	<i>6-1-04 To 8-11-04</i>
Total Hours of Training:		<i>250</i>	

**AUTHORIZED NUCLEAR PHARMACIST TRAINING AND EXPERIENCE
AND PRECEPTOR ATTESTATION (continued)**

2. Structured Educational Program for Proposed Authorized Nuclear Pharmacist (continued)

b. Supervised Practical Experience in a Nuclear Pharmacy.

Description of Experience	Location of Experience/License or Permit Number of Facility	Clock Hours	Dates of Experience*
Shipping, receiving, and performing related radiation surveys	3520 Progress Drive Bensalem PA 19020 37-27830-02MD	50	3/1/06 to Present
Using and performing checks for proper operation of instruments used to determine the activity of dosages, survey meters, and, if appropriate, instruments used to measure alpha- or beta-emitting radionuclides	3520 Progress Drive Bensalem PA 19020 37-27830-02MD	10	3/1/06 to Present
Calculating, assaying, and safely preparing dosages for patients or human research subjects	3520 Progress Drive Bensalem PA 19020 37-27830-02MD	585	3/1/06 to Present
Using administrative controls to avoid medical events in administration of byproduct material	3520 Progress Drive Bensalem PA 19020 37-27830-02MD	120	3/1/06 to Present
Using procedures to prevent or minimize radioactive contamination and using proper decontamination procedures	3520 Progress Drive Bensalem PA 19020 37-27830-02MD	5	3/1/06 to Present
Total Hours of Experience:		770	
Supervising Individual <i>Michael Hess</i>			

c. Go to and complete Part II Preceptor Attestation.

**AUTHORIZED NUCLEAR PHARMACIST 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.

First Section

Check one of the following:

Board Certification

I attest that _____ has satisfactorily completed the requirements in
Name of Proposed Authorized Nuclear Pharmacist
10 CFR 35.55(a)(1), (a)(2), and (a)(3) and has achieved a level of competency sufficient to function independently as an authorized nuclear pharmacist.

OR

Structured Educational Program

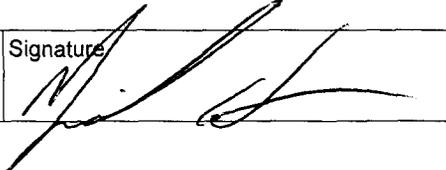
I attest that Michael Lipavage has satisfactorily completed a 700-hour structured
Name of Proposed Authorized Nuclear Pharmacist
educational program consisting of both 200 hours of classroom and laboratory training, and practical experience in nuclear pharmacy, as required by 10 CFR 35.55(b)(1) and has achieved a level of competency sufficient to function independently as an authorized nuclear pharmacist.

Second Section

Complete the following for preceptor attestation and signature:

I am an Authorized Nuclear Pharmacist for GE Healthcare
Nuclear Pharmacy or Medical Facility

37-27830-02MB
License/Permit Number

Name of Preceptor:	Signature	Telephone Number	Date
<u>Michael Hess</u>		<u>(215) 245-7805</u>	<u>7-13-07</u>

Certificate of Completion

The University of Arkansas for Medical Sciences
and the
University of New Mexico Health Science Center
certify that

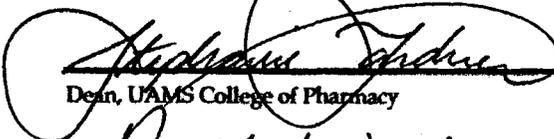
Michael Lipeavage

has completed the didactic education requirements for
Authorized Nuclear Pharmacist education
as specified by the Nuclear Regulatory Commission.

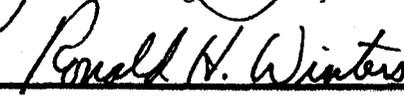
Nuclear Pharmacist Education and Training



Dean, UNM College of Pharmacy



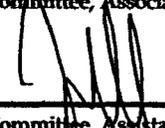
Dean, UAMS College of Pharmacy



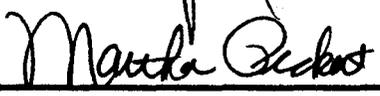
Dean, UAMS College of Health Related Professions



Executive Committee, Associate Professor



Executive Committee, Assistant Professor



Executive Committee, Assistant Professor

August 11, 2004



**University of Arkansas for Medical Sciences
and
University of New Mexico Health Science Center**

Nuclear Pharmacist Education

Michael Lipcavage

Nuclear Pharmacy Courses & Training	Nuclear Physics	Instrumentation	Radiation Safety	Radiation Biology	Radlpharmacy	Total
	004-039-01-201-H-01	004-039-01-200-H-01	004-039-01-203-H-01	004-039-01-202-H-01	004-039-01-204-H-01	
Radiation Physics & Instrumentation	75	25				100
Radiation Protection			30			30
Math & Measure of Radioactivity	5	5			10	20
Radiation Biology				20		20
Radlpharmaceutical Chemistry					30	30
Clinical Radlpharmacy					50	50
TOTALS	80	30	30	20	40	250

Course dates: June 1 – August 11, 2004

Nicki Hilliard

Nicki L. Hilliard, Pharm.D., BCNP
Associate Professor of Nuclear Pharmacy

Jeffrey Norenberg
Jeffrey Norenberg, Pharm. D., M.S., BCNP
Associate Professor of Nuclear Pharmacy



UAMS

COLLEGE OF PHARMACY

UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES

OFFICE OF THE DEAN

Education Building II/6-104
4301 West Markham, #522
Little Rock, AR 72205-7199

501-686-5557
501-686-8315 (fax)

www.uams.edu/cop

Pharmaceutical Sciences Department Biomedical Research Center

501-686-5937
501-686-6057 (fax)
Education Building II
501-686-6280
501-526-6510 (fax)

Pharmacy Practice Department

501-686-6390
501-296-1168 (fax)

Doctor of Pharmacy Degree Non Traditional Program

501-686-7124
800-245-3256 (toll free)
501-526-6872 (fax)

Arkansas Poison Control

501-686-5540
800-3POISON (toll free)
501-296-1451 (fax)

Drug Information

501-686-5072
888-228-1233 (toll free)

Continuing Education Program

501-686-5396



August 19, 2004

Michael Lipcavage
GE Healthcare
1067 Hanover Street
Wilkes Barre, PA 18706

Dear Michael,

Congratulations on your completion of Nuclear Education Online program for nuclear pharmacy training. We hope that you have gained the fundamental knowledge of the profession on which to build experience and expertise in this specialty area of pharmacy.

The faculty would also like to congratulate you for your outstanding performance. You earned the distinction of the NEO "Honor Roll" with a course performance score greater than 90%.

We appreciate your participation in the program and wish you the best in your career.

Best regards,

Nicki Hilliard, Pharm.D, MHSA, BCNP, FAPhA
Associate Professor of Nuclear Pharmacy
University of Arkansas for Medical Sciences

Commonwealth of Pennsylvania Department of State
Bureau of Professional and Occupational Affairs
Pharmacist

License Number
RP441781

Expiration Date
09/30/2008

Registration Code
16617322

License Status
Active

MICHAEL GEORGE LIPCAVAGE



OFFICIAL DOCUMENT

READ THE FOLLOWING INFORMATION CAREFULLY CONCERNING YOUR LICENSE:

1. SIGN THE WALLET CARD AND CERTIFICATE WHERE INDICATED.
2. DETACH THE WALLET CARD AND CERTIFICATE AT PERFORATION.

Registration Code

Your registration code is found on the attached wallet card.

Use this registration code online to: renew your license, change your personal or license address, or order duplicate licenses.

Visit our website at: www.mylicense.state.pa.us

First time users will be required to use this registration code to create a user ID and password.

MICHAEL GEORGE LIPCAVAGE

PERSONAL INFORMATION WAS REMOVED BY NRC. NO COPY OF THIS INFORMATION WAS RETAINED BY THE NRC.

DISPLAY THIS CERTIFICATE PROMINENTLY • NOTIFY AGENCY WITHIN 10 DAYS OF ANY CHANGE

Commonwealth of Pennsylvania
Department of State
Bureau of Professional and Occupational Affairs
PO Box 2649 Harrisburg PA 17105-2649

07 459432

License Type

Pharmacist

License Status

Active

Initial License Date

06/06/2007

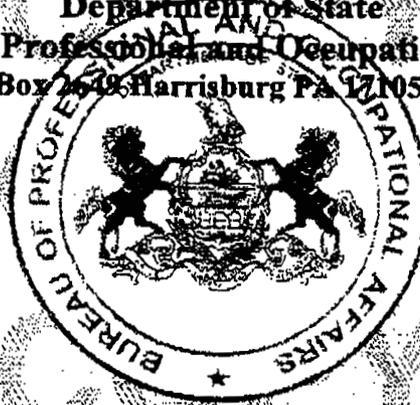
MICHAEL GEORGE LIPCAVAGE

License Number

RP441781

Expiration Date

09/30/2008



Basel L. Mervola
Commissioner of Professional and Occupational Affairs

[Signature]
Signature