

HU
HOWARD
UNIVERSITY
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(202) 745-3731 Fax

May 20, 2010

MSIE
K-8Sandy Gabriel, Ph.D.
Senior Health Physicist
Medical Branch
NRC Region 1License Number: 08-03075-07
Docket Number: 03001321
Mail Control Number: 144623

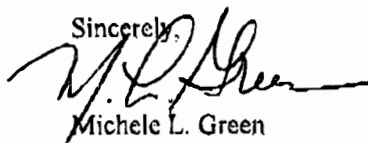
Dear Dr. Gabriel:

As the Management Representative to the Radiation Safety Committee, the attached documents have been reviewed and I am in agreement with the following:

- Amendment No. 15 to New York Department of Health Radioactive Materials License No. 311 which names the new Radiation Safety Officer, Dr. Satya Ranjan Bose, to the license as a Radiation Therapy Physicist; and
- Radiation Safety Officer Training and Experience and Preceptor Attestation [10 CFR 35.50] was completed by Dr. Satya Ranjan and approved on May 17, 2010 by Dr. Manuel G. Dalopc, Radiation Safety Officer of North Medical Radiotherapy, Liverpool New York.

In addition, the contact numbers for the Radiation Safety Office are (202) 806-7216, and fax number (202) 806-5432.

Sincerely,

Michele L. Green
Associate Hospital Director &
RSC Management Representativec: Eve J. Higginbotham, S.M., M.D.,
Senior Vice President and Executive Dean for Health SciencesCelia J. Maxwell, M.D., FACP
Assistant Vice President for Health SciencesLarry Warren
Chief Executive Officer, Howard University HospitalPaul Mullings, FACHE
Chief Operating Officer & Senior Assoc. Hospital Director, Howard University HospitalRobert E. Taylor, M.D., Ph.D., FACP
Dean, Howard University College of MedicineSatya Ranjan Bose, Ph.D.
Director of Radiation Safety, Howard University Radiation Safety Office

144623

NMSS/RGN1 MATERIALS-002

NRC FORM 313A (RSO) (3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION [10 CFR 35.50]

APPROVED BY OMB: NO. 3150-0120 EXPIRES: 3/31/2012

Name of Proposed Radiation Safety Officer

Satya Ranjan Bose, Ph.D.

Requested Authorization(s) The license authorizes the following medical uses (check all that apply):

- 35.100 35.200 35.300 35.400 35.500 35.600 (remote afterloader) 35.600 (teletherapy) 35.600 (gamma stereotactic radiosurgery) 35.1000

PART I -- TRAINING AND EXPERIENCE (Select one of the four 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

- Provide a copy of the board certification. Use Table 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license. Skip to and complete Part II Preceptor Attestation.

OR

2. Current Radiation Safety Officer Seeking Authorization to Be Recognized as a Radiation Safety Officer for the Additional Medical Uses Checked Above

- Use the table in section 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for the additional types of medical use for which recognition as RSO is sought. Skip to and complete Part II Preceptor Attestation.

OR

3. Structured Educational Program for Proposed Radiation Safety Officer

a. Classroom and Laboratory Training

Table with 4 columns: Description of Training, Location of Training, Clock Hours, Dates of Training. Rows include Radiation physics and instrumentation, Radiation protection, Mathematics pertaining to the use and measurement of radioactivity, Radiation biology, Radiation dosimetry.

Total Hours of Training:

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U.S. NUCLEAR REGULATORY COMMISSION

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Structured Educational Program for Proposed Radiation Safety Officer (continued)

b. Supervised Radiation Safety 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 Training/ License or Permit Number of Facility	Dates of Training*
Shipping, receiving, and performing related radiation surveys		
Using and performing checks for proper operation of instruments used to determine the activity of dosages, survey meters, and instruments used to measure radionuclides		
Securing and controlling byproduct material		
Using administrative controls to avoid mistakes in administration of byproduct material		
Using procedures to prevent or minimize radioactive contamination and using proper decontamination procedures		
Using emergency procedures to control byproduct material		
Disposing of byproduct material		
Licensed Material Used (e.g., 35.100, 35.200, etc.) ⁺ _____ _____ _____		

* Choose all applicable sections of 10 CFR Part 35 to describe radionuclides and quantities used: 35.100, 35.200, 35.300, 35.400, 35.500, 35.600 remote afterloader units, 35.600 teletherapy units, 35.600 gamma stereotactic radiosurgery units, emerging technologies (provide list of devices).

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RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Structured Educational Program for Proposed Radiation Safety Officer (continued)

b. Supervised Radiation Safety Experience (continued)

(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

Supervising Individual	License/Permit Number listing supervising individual as a Radiation Safety Officer
This license authorizes the following medical uses: <input type="checkbox"/> 35.100 <input type="checkbox"/> 35.200 <input type="checkbox"/> 35.300 <input type="checkbox"/> 35.400 <input type="checkbox"/> 35.500 <input type="checkbox"/> 35.600 (remote afterloader) <input type="checkbox"/> 35.600 (teletherapy) <input type="checkbox"/> 35.600 (gamma stereotactic radiosurgery) <input type="checkbox"/> 35.1000 (_____)	

c. Describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license.

Description of Training	Training Provided By	Dates of Training*
Radiation safety, regulatory issues, and emergency procedures for 35.100, 35.200, and 35.500 uses	Univ. of Virginia, Univ. of Arizona, UPMC- Latrobe Area Hospital, Latrobe, Jefferson Hospital, Arnold Palmer Cancer Pav.	From 1986 through 2006
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses	University of Virginia, Charlottesville, VA	1997-2000
Radiation safety, regulatory issues, and emergency procedures for 35.400 uses	Radiotherapy Associates, Upstate, N.Y. UPMC Latrobe Area Hospital, Latrobe, PA UPMC Magee Women Hospital, PA,	2009 & 2010 2002-2003 2002-2005
Radiation safety, regulatory issues, and emergency procedures for 35.600 - teletherapy uses	Radiotherapy Associates, Upstate, N.Y. UPMC Latrobe Area Hospital, Latrobe, PA UPMC Magee Women Hospital, PA,	2009 & 2010 2002-2003 2002-2005
Radiation safety, regulatory issues, and emergency procedures for 35.600 - remote afterloader uses	Radiotherapy Associates, Upstate, N.Y. UPMC Latrobe Area Hospital, Latrobe, PA UPMC Magee Women Hospital, PA,	2009 & 2010 2002-2003 2002-2005
Radiation safety, regulatory issues, and emergency procedures for 35.600 - gamma stereotactic radiosurgery uses	Saint Francis Hospital, Topeka, KS	2001
Radiation safety, regulatory issues, and emergency procedures for 35.1000, specify use(s):		

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RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Structured Educational Program for Proposed Radiation Safety Officer (continued)

c. Training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license (continued)

Supervising Individual *If training was provided by supervising RSO, AU, AMP, or ANP. (If more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.)*

License/Permit Number listing supervising individual

License/Permit lists supervising individual as:

- Radiation Safety Officer Authorized User Authorized Nuclear Pharmacist
- Authorized Medical Physicist

Authorized as RSO, AU, ANP, or AMP for the following medical uses:

- 35.100 35.200 35.300 35.400
- 35.500 35.600 (remote afterloader) 35.600 (teletherapy)
- 35.600 (gamma stereotactic radiosurgery) 35.1000 (_____)

d. Skip to and complete Part II Preceptor Attestation.

OR

4. Authorized User, Authorized Medical Physicist, or Authorized Nuclear Pharmacist identified on the licensee's license

- a. Provide license number.
- b. Use the table in section 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license.
- c. Skip to and complete Part II Preceptor Attestation.

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:

1. Board Certification

I attest that Satya Ranjan Bose has satisfactorily completed the requirements in
Name of Proposed Radiation Safety Officer

10 CFR 35.50(a)(1)(i) and (a)(1)(ii); or 35.50 (a)(2)(i) and (a)(2)(ii); or 35.50(c)(1).

OR

2. Structured Educational Program for Proposed Radiation Safety Officers

I attest that _____ has satisfactorily completed a structural educational
Name of Proposed Radiation Safety Officer

program consisting of both 200 hours of classroom and laboratory training and one year of full-time radiation safety experience as required by 10 CFR 35.50(b)(1).

OR

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(3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

Preceptor Attestation (continued)**First Section** (continued)

Check one of the following:

 3. Additional Authorization as Radiation Safety Officer I attest that _____ is an

Name of Proposed Radiation Safety Officer

 Authorized User Authorized Nuclear Pharmacist Authorized Medical Physicist

identified on the Licensees license and has experience with the radiation safety aspects of similar type of use of byproduct material for which the individual has Radiation Safety Officer responsibilities

AND**Second Section**

Complete for all (check all that apply):

 I attest that Satya Ranjan Bose has training in the radiation safety, regulatory issues, and

Name of Proposed Radiation Safety Officer

emergency procedures for the following types of use:

 35.100 35.200 35.300 oral administration of less than or equal to 33 millicuries of sodium iodide I-131, for which a written directive is required 35.300 oral administration of greater than 33 millicuries of sodium iodide I-131 35.300 parenteral administration of any beta-emitter, or a photon-emitting radionuclide with a photon energy less than 150 keV for which a written directive is required 35.300 parenteral administration of any other radionuclide for which a written directive is required 35.400 35.500 35.600 remote afterloader units 35.600 teletherapy units 35.600 gamma stereotactic radiosurgery units 35.1000 emerging technologies, including:

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(3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

AND

**Third Section
Complete for ALL**

I attest that Satya Ranjan Bose has achieved a level of radiation safety knowledge
Name of Proposed Radiation Safety Officer
sufficient to function independently as a Radiation Safety Officer for a medical use licensee.

**Fourth Section
Complete the following for Preceptor Attestation and signature**

I am the Radiation Safety Officer for North Medical Radiotherapy, Liverpool, New York
Name of Facility

License/Permit Number: NYS Dept. of Health Radioactive Material License# 3111

Name of Preceptor
Manuel G. Dalope, M.D.

Signature
Manuel G. Dalope

Telephone Number
(315) 452-2424

Date
5/17/10

**NEW YORK STATE DEPARTMENT OF HEALTH
RADIOACTIVE MATERIALS LICENSE**

License Number 3111

Amendment Number 15

DH Number 09-540

North Medical Radiotherapy
5116 West Taft Road
Liverpool, New York 13088

Attention: Manuel G. Dalope, M.D.
Radiation Safety Officer

Dear Licensee:

In accordance with the request dated May 13, 2009, signed by Manuel G. Dalope, M.D., New York State Department of Health Radioactive Materials License No. 3111 is amended as follows:

Change Condition No. 10 to Read:

10. A. Radioactive material listed in Item 6 shall only be used by:
- Manuel G. Dalope, M.D.
 - Maria Arsyl Dulay DeJesus, M.D.
 - Nabila A. Elbadawi, M.D.
 - Muhammad Zafar Iqbal, M.D.
- B. Radioactive material listed in Item 6 shall be used by Manuel G. Dalope, M.D., as appropriate to fulfill the responsibilities of the Radiation Safety Officer.
- C. The Radiation Therapy Physicists for this license are Satya Ranjan Bose, Ph.D., and Robert Graves, Ph.D. Only these persons may perform full calibrations of the brachytherapy unit and provide decay-corrected output values.

FOR THE NEW YORK STATE DEPARTMENT OF HEALTH

Date: JUN 06 2009
CJB/MGH:ks

By


Charles J. Burns, Chief
Radioactive Materials Section
Bureau of Environmental Radiation Protection

DOH STATE OF NEW YORK
DEPARTMENT OF HEALTH

Flanigan Square 547 River Street Troy, New York 12180-2216

Richard F. Dalnes, M.D.
Commissioner

Wendy E. Saunders
Executive Deputy Commissioner

North Medical Radiotherapy
5116 West Taft Road
Liverpool, New York 13088

JUN 08 2009

Attention: Manuel G. Dalope, M.D.
Radiation Safety Officer

Re: NYS Dept. of Health Radioactive
Materials License No. 3111
DH No. 09-540

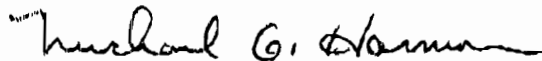
Dear Dr. Dalope:

Enclosed is Amendment No. 15 to New York State Department of Health Radioactive Materials License No. 3111, which names Satya Ranjan Bose, Ph.D., to the license as a Radiation Therapy Physicist.

If I may be of assistance, please contact this office at (518) 402-7590 or:

New York State Department of Health
Bureau of Environmental Radiation Protection
Radioactive Materials Section
Flanigan Square - Room 530
547 River Street
Troy, New York 12180-2216

Sincerely,



Michael G. Harmon
Associate Radiological Health Specialist

CJB/MGH

Enclosure: Amendment No. 15