

Ishtiaq A. Malik, M.D.,P.C.
Board Certified Internal Medicine
Board Certified Nuclear Cardiology
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NMSB2

February 26, 2008

US Nuclear Regulatory Commission
Region 1
475 Allendale Road
King of Prussia, PA 19406

RE: Ishtiaq A. Malik, MD
08-31176-01
License Amendment

03037314

Dear License Reviewers:

Please amend the above referenced radioactive material license as follows:

Add Ishtiaq A. Malik, MD as Radiation Safety Officer.

Delete Frank DiGregorio, Jr as the radiation safety officer.

Documentation supporting this change is enclosed.

Any question regarding this request may be directed to the undersigned.

Sincerely,



Ishtiaq A. Malik, MD

2008 FEB 29 PM 12: 20

RECEIVED
REGION 1

142073

NMSS/RGN1 MATERIALS-002

NRC FORM 313A (RSO) (2-2007)	U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0120 EXPIRES: 10/31/2008
RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION [10 CFR 35.50]		

Name of Proposed Radiation Safety Officer

Ishtiaq A. Malik, M.D.

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

- 35.100
 35.200
 35.300
 35.400
 35.600
 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

- a. Provide a copy of the board certification.
- b. Use Table 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.

OR

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

- a. 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.
- b. Skip to and complete Part II Preceptor Attestation.

OR

3. Structured Educational Program for Proposed Radiation Safety Officer

a. Classroom and Laboratory Training

Description of Training	Location of Training	Clock Hours	Dates of Training*
Radiation physics and instrumentation	See NRC 08-31176-01		
Radiation protection			
Mathematics pertaining to the use and measurement of radioactivity			
Radiation biology			
Radiation dosimetry			

Total Hours of Training:

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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
(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	08-31176-01	02/2007 - 11/2007
Using and performing checks for proper operation of instruments used to determine the activity of dosages, survey meters, and instruments used to measure radionuclides	08-31176-01	02/2007 - 11/2007
Securing and controlling byproduct material	08-31176-01	02/2007 - 11/2007
Using administrative controls to avoid mistakes in administration of byproduct material	08-31176-01	02/2007 - 11/2007
Using procedures to prevent or minimize radioactive contamination and using proper decontamination procedures	08-31176-01	02/2007 - 11/2007
Using emergency procedures to control byproduct material	08-31176-01	02/2007 - 11/2007
Disposing of byproduct material	08-31176-01	02/2007 - 11/2007
Licensed Material Used (e.g., 35.100, 35.200, etc.)+ _____ _____ _____	08-31176-01	02/2007 - 11/2007

* Choose all applicable sections of 10 CFR Part 35 to describe radiolabels 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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(2-2007) 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 (continued)

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

Supervising Individual Frank DiGregorio	License/Permit Number listing supervising individual as a Radiation Safety Officer 08-31176-01
This license authorizes the following medical uses:	
<input checked="" type="checkbox"/> 35.100 <input checked="" type="checkbox"/> 35.200 <input type="checkbox"/> 35.300 <input type="checkbox"/> 35.400	<input type="checkbox"/> 35.600 (teletherapy)
<input type="checkbox"/> 35.500 <input type="checkbox"/> 35.600 (remote afterloader)	<input type="checkbox"/> 35.1000 (_____)
<input type="checkbox"/> 35.600 (gamma stereotactic radiosurgery)	

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	Frank DiGregorio	02/2007 - 11/2007
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses	NA	
Radiation safety, regulatory issues, and emergency procedures for 35.400 uses	NA	
Radiation safety, regulatory issues, and emergency procedures for 35.600 - teletherapy uses	NA	
Radiation safety, regulatory issues, and emergency procedures for 35.600 - remote afterloader uses	NA	
Radiation safety, regulatory issues, and emergency procedures for 35.600 - gamma stereotactic radiosurgery uses	NA	
Radiation safety, regulatory issues, and emergency procedures for 35.1000, specify use(s):	NA	

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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)

<p>Supervising Individual <i>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.)</i></p> <p>Frank DiGregorio</p>	<p>License/Permit Number listing supervising individual</p> <p style="text-align: center;">08-31176-01</p>
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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:

<input checked="" type="checkbox"/> 35.100	<input checked="" 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 (_____)		

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 _____ 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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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 Ishtiaq A. Malik, M.D. is an
Name of Proposed Radiation Safety Officer

- Authorized User
- Authorized Nuclear Pharmacist
- Authorized Medical Physicist

identified on the Licensee's 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 Ishtiaq A. Malik, M.D. 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

35.800

gamma stereotactic radiosurgery units

35.1000

emerging technologies, including:

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(2-2007)

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

AND

Third Section
Complete for ALL

I attest that Ishtiaq A. Malik, M.D. 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 Ishtiaq A. Malik, M.D.
Name of Facility

License/Permit Number: 08-31176-01

Name of Preceptor
Frank DiGregorio

Signature
Frank DiGregorio

Telephone Number
302-832-7689

Date
11/15/07

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. Ishtiaq A. Malik, M.D.</p> <p>2. Physician Office Building (POB), North Tower Suite 3000 106 Irving Street, NW Washington, DC 20010</p>	<p>3. License number 08-31176-01</p> <p>4. Expiration date October 31, 2016</p> <p>5. Docket No. 03037314 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.200</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As needed</p>
<p>9. Authorized use:</p> <p>A. Any imaging and localization study permitted by 10 CFR 35.200.</p>		

★ ★ ★
CONDITIONS
★ ★ ★

- 10. Licensed material may be used or stored only at the licensee's facilities located at Physician Office Building (POB), North Tower, Suite 3000, 106 Irving Street, NW, Washington, DC.
- 10. The Radiation Safety Officer for this license is Frank DiGregorio.
- 11. Licensed material is only authorized for use by, or under the supervision of:
 - A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.
 - B. The following individuals are authorized users for medical use as indicated:

<u>Authorized Users</u>	<u>Material and Use</u>
Ishtiaq A. Malik, M.D.	35.200

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
08-31176-01

Docket or Reference Number
03037314

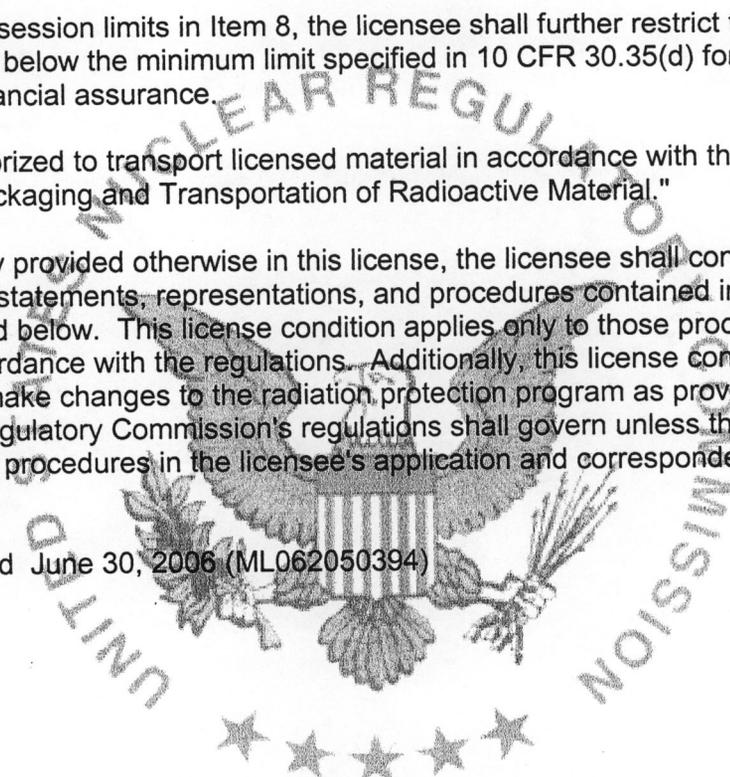
Authorized Users

Material and Use

Ishtiaq A. Malik, M.D.

35.200

12. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
13. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
14. 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 June 30, 2006 (ML062050394)



For the U.S. Nuclear Regulatory Commission

Original signed by Thomas K. Thompson

Date October 17, 2006

By _____

Thomas K. Thompson
Commercial and R&D Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406

Tuesday, October 17, 2006 11:06:46 AM

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

2/26/2008, and to inform you that the initial processing which includes an administrative review has been performed.

Amended 08-31176-d 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** 142073.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)
(6-96)

Sincerely,
Licensing Assistance Team Leader