

LAWRENCE ANTONUCCI, M.D.

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NMSB 2

February 19, 2008

U.S. Nuclear Regulatory Commission
Region 1
License Assistance Team
475 Allendale Rd
King of Prussia, PA 19406-1415

03036898

RE: NRC License # 29 – 31028 –01
Lawrence Antonucci, M.D.

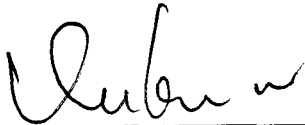
RECEIVED
REGION 1
2008 MAR -3 PM 12: 23

To Whom It May Concern:

We would like to amend our license:

- 1 Please remove **Leonardo DiVagno, M.D.** as the Radiation Safety Officer and as an Authorized User on this license.
- 2 Please add **Clifford Sebastian, M.D.** as the Radiation Safety Officer . He is currently an Authorized User on this license. A preceptor attestation (NRC Form 313A) is attached.

If you need any additional information please contact me.



Lawrence Antonucci., M.D.

142146

NMSS/RCM1 MATERIALS-002

NRC FORM 313A (R&O) (2-2007)	U.S. NUCLEAR REGULATORY COMMISSION RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION [10 CFR 35.50]	APPROVED BY ONS: NO. 3150-0120 EXPIRES: 10/31/2008
Name of Proposed Radiation Safety Officer: <u>Clifford Sebastian, M.D.</u>		
Requested Authorization(s) The license authorizes the following medical uses (check all that apply): <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 ()		
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.		
<input type="checkbox"/> 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		
<input type="checkbox"/> 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		
<input type="checkbox"/> 3. Structured Educational Program for Proposed Radiation Safety Officer a. Classroom and Laboratory Training		
Description of Training	Location of Training	Clock Hours
Radiation physics and instrumentation		
Radiation protection		
Mathematics pertaining to the use and measurement of radioactivity		
Radiation biology		
Radiation dosimetry		
Total Hours of Training:		

NRC FORM 313A (R20)
(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***(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).

PAGE 2

NRC FORM 313A (R50)
(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

License/Permit Number listing supervising individual as a
Radiation Safety Officer

This license authorizes 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 ()**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	Leonardo D. Vazquez M.D.	9/1/07 - 12/31/07
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses		
Radiation safety, regulatory issues, and emergency procedures for 35.400 uses		
Radiation safety, regulatory issues, and emergency procedures for 35.600 - teletherapy uses		
Radiation safety, regulatory issues, and emergency procedures for 35.600 - remote afterloader uses		
Radiation safety, regulatory issues, and emergency procedures for 35.600 - gamma stereotactic radiosurgery uses		
Radiation safety, regulatory issues, and emergency procedures for 35.1000, specify use(s):		

PAGE 3

NRC FORM 313A (RSC)
(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)**

- 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 _____ has satisfactorily completed the requirements in

Name of Proposed Radiation Safety Officer

10 CFR 35.50(a)(1)(i) and (a)(4)(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

PAGE 4

NRC FORM 313A (RSO)
(2-2007)

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 Clifford Sebastian 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 Clifford Sebastian 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:

PAGE 6

NRC FORM 313A (R30)
(2-2007)

U.S. NUCLEAR REGULATORY COMMISSION

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

AND

Third Section
Complete for ALL

☒ I attest that Clifford Sebastian 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

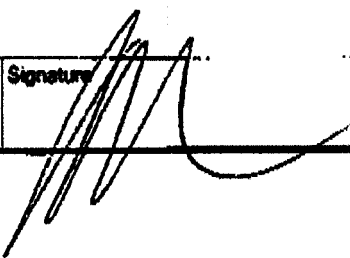
I am the Radiation Safety Officer for Lawrence Antonucci, M.D.
Name of Facility

License/Permit Number: NRC # 29-31028-01

Name of Preceptor

Leonardo DiVagno, M.D.

Signature



Telephone Number

(201) 845-3535

Date

1/2/08

PAGE 6

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

2/19/2008, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Hand. 29-31023-01 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** 142146.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.