

Jan. 31. 2014 11:12AM

No. 0932 P. 2



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Armando C. Madrazo, M.D., F.A.C.C.
Theodore L. Schreiber, M.D., F.A.C.C.
Samer Y. Kazziha, M.D., F.A.C.C.
Rayan R. Hourani, M.D., F.A.C.C.
Saba Darda, M.D.
Diplomates, American Board of Cardiovascular Disease
Diplomates, American Board of Internal Medicine

January 31, 2014

United States Nuclear Regulatory Commission
Region III
2443 Warrenville Road Suite 210
Lisle, IL 60532-4351

RE: Amendment to NRC License No. 21-32102-01
Additional Information
Control Number: 582564

Dear Ms. Simmons:

We are faxing the requested additional information to process our request for changing our RSO. We are in an urgent situation to have our temporary RSO become permanent. This additional information was requested by January 17, 2014. Please accept our sincere apologies for missing this deadline.

If you have any questions or require additional information, please contact our physics consultant, Cari Dzanbazoff at (734) 662-3197, fax (734) 662-9224, or email cdz_mpc@comcast.net.

Sincerely,

Gretchen Glasius

Management of Cardiovascular Consultants

Jan. 31. 2014 11:11AM

No. 0932 P. 1

CARDIOVASCULAR
CONSULTANTS P.C.**FACSIMILE TRANSMITTAL**

37771 Schoenherr, Sterling Heights MI 48312

To: Toye Simmons Date: 1/31/14Attn: _____ Total number of Pages: (2)From: Gretchen Glasius Phone 586-698-1205 Fax 586-978-1323

Re: _____

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

THIS INFORMATION IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY WHICH IT IS
ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM
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PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE, AND RETURN THE ORIGINAL MESSAGE TO ME AT THE
BELOW ADDRESS VIA THE UNITED STATES POST OFFICE. THANK YOU

*Letter on facility letter head
faxed separately.*

Corrected RSO Preceptor Form

January 31, 2014

United States Nuclear Regulatory Commission
Region III
2443 Warrenville Road Ste 210
Lisle, IL 60532-4351

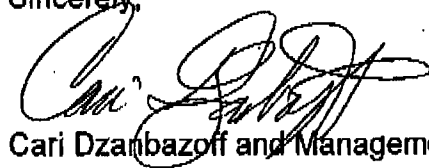
**RE: Amendment to NRC License No. 21-32102-01
Additional Information
Control Number: 582564**

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Sincerely,



Cari Dzanbazoff and Management of Cardiovascular Consultants

NRC FORM 313A (R80) (05-2012)	U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0120 EXPIRES: (05/31/2015)
RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION [10 CFR 35.50]		

Name of Proposed Radiation Safety Officer

Rayan Hourani, MD

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**

- 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			
Radiation protection			
Mathematics pertaining to the use and measurement of radioactivity			
Radiation biology			
Radiation dosimetry			
Total Hours of Training: <input type="text"/>			

NRC FORM 313A (R60)
 (05-2012)

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 38 to describe radioisotopes 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).

NRC FORM 313A (R60)
 (05-2012)

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:	
<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 (gamma stereotactic radiosurgery)	<input type="checkbox"/> 35.600 (teletherapy)
	<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	Armando C. Madrazo	6/13 - 1/14
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.400 uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.600 - teletherapy uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.600 - remote afterloader uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.600 - gamma stereotactic radiosurgery uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.1000, specify use(s):	N/A	

NRC FORM 313A (RSO)
(06-2012)

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 <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>	License/Permit Number listing supervising individual
Armando C. Madrazo	21-32102-01
License/Permit lists supervising individual as:	
<input checked="" type="checkbox"/> Radiation Safety Officer <input type="checkbox"/> Authorized User <input type="checkbox"/> Authorized Nuclear Pharmacist	
<input type="checkbox"/> Authorized Medical Physicist	
Authorized as RSO, AU, ANP, or AMP for the following medical uses:	
<input 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 (gamma stereotactic radiosurgery)	<input type="checkbox"/> 35.600 (teletherapy)
	<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 Rayan Hourani, MD 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

NRC FORM 313A (R60)
(05-2012)

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 Rayan Hourani, M.D. 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 Rayan Hourani, 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

☐ 36.300 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

☐ 36.300 parenteral administration of any other radionuclide for which a written directive is required

☐ 36.400

☐ 35.500

☐ 35.800 remote afterloader units

☐ 35.600 teletherapy units

☐ 35.600 gamma stereotactic radiosurgery units

☐ 35.1000 emerging technologies, including:

NRC FORM 313A (RSO)
(05-2012)

U.S. NUCLEAR REGULATORY COMMISSION

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

AND

Third Section
Complete for ALL

☒ I attest that Rayan Hourani, 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.

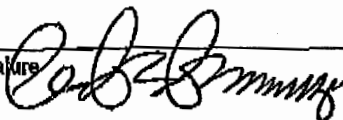
Fourth Section
Complete the following for Preceptor Attestation and signature

I am the Radiation Safety Officer for Cardiovascular Consultants, P.C.
Name of Facility

License/Permit Number: 21-32102-01

Name of Preceptor
Armando C. Madrazo, M.D.

Signature



Telephone Number
(586) 604-0397

Date
11/25/2013



TELECOPY TRANSMITTAL

DATE: 1/30/14

TO: TOYE SIMMONS

Fax Number: 630-515-1078


FROM: RSD - urgent


RE: _____


COMMENTS: Updated information

This transmittal consists of _____ pages (including transmittal cover sheet). Please contact me if you have any questions or problems with this transmittal.

214 E. Huron Street
Ann Arbor, MI 48104
(734) 662-9224 Fax
(734) 662-3197

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(317) 581-1931 Fax
(317) 581-1911

 4806 Mile High Drive
Salt Lake City, UT 84124
(801) 272-2952 Office & Fax

 N7375 Crystal Ridge Drive
Beaver Dam, WI 53916
(920) 885-9872 Fax
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