



FLINT

April 26, 2022

UNITED STATES NUCLEAR REGULATORY COMMISSION
Region III
Materials Licensing Branch
2443 Warrenville Road Suite 210
Lisle, IL 60532-4352

Re: Notification for License No. 21-04171-04

Please list Tomy Paul Kalapparambath, MD as Associate Radiation Safety Officer on our license for uses allowed by 35.100, 35.200 and 35.300. We have enclosed preceptor forms and an ARSO delegation for your review.

Thank you for your time and assistance. If you have any questions, you may contact Tracy King of MPC at tking@mpcphysics.com.

Name of Administrator Adam Michaud, MBA
Title of Administrator Director, Ancillary Services

Enc 
Preceptor form
Delegation of Authority to Associate RSO

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401 South Ballenger Highway Flint Michigan 48532 Phone (810)-342-2209

An Affiliated Teaching Hospital of the Michigan State University College of Human Medicine



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To: Tomy Paul Kalapparambath, MD

From: Christopher Conlin, MD, RSO

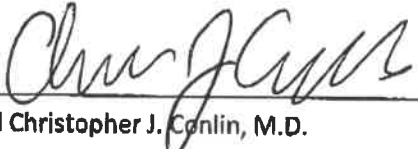
Subject: Delegation of Authority to Associate RSO

You, Dr. Kalapparambath have been appointed Associate Radiation Safety Officer for the Nuclear Medicine Department at McLaren Flint Hospital and are responsible for ensuring the safe use of radiation as authorized under 10 CFR 35.100, 35.200 and 35.300 uses authorized by this license.


You are responsible for assisting me with (and in my absence):

- managing the Radiation Protection Program
- identifying radiation protection problems
- verifying implementation of corrective actions
- ensuring compliance with regulations
- overseeing of the personnel dosimetry program and for reporting to me any unusual results
- overseeing of all acquisition and disposition of radioactive material
- implementing and maintaining the documentation of the personnel radiation safety instruction
- maintaining documentation of the radiation surveys for all areas of use and reporting to me any results that exceed the established trigger levels
- reporting to me personally any unsafe or noncompliant practices


You are hereby delegated the authority necessary to meet those responsibilities. I retain responsibility for the oversight of the Radiation Protection Program at McLaren Flint Regional Medical Center.


Signed Christopher J. Conlin, M.D.

4.26. 2022
Date


Signed Adam Michaud, M.B.A.

4/24/22
Date

I accept the above responsibilities,

Signed Tomy Paul Kalapparambath, M.D.

4/26/2022
Date

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NRC FORM 313A (RSO) (01-2020)	U. S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0120 EXPIRES: 01/31/2023
RADIATION SAFETY OFFICER OR ASSOCIATE RADIATION SAFETY OFFICER TRAINING, EXPERIENCE AND PRECEPTOR ATTESTATION [10 CFR 35.57, 35.50]		
Name of Individual	<input type="checkbox"/> RSO <input checked="" type="checkbox"/> ARSO	
Tomy Paul Kalapparambath, M.D.		
Requested Authorization(s) <i>The license authorizes the following medical uses (check all that apply):</i>		
<input checked="" type="checkbox"/> 35.100 <input checked="" type="checkbox"/> 35.200 <input checked="" 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 <i>(Select one of the five methods below)</i>		
<p>*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.</p>		
<input type="checkbox"/> 1. Board Certification <ol style="list-style-type: none"> a. Provide a copy of the board certification. b. If the board certification process has been recognized by the Commission or an Agreement State under 10 CFR 35.50; <ol style="list-style-type: none"> (i) Go to the table in 5c and describe training provider and dates of training for each type of use for which authorization is sought. (ii) Stop here c. If the board certification was issued on or before October 24, 2005 and is listed in 10 CFR 35.57 (a)(2); <ol style="list-style-type: none"> (i) Provide documentation demonstrating that the individual was using the requested materials and uses on or before October 24, 2005; (ii) Stop here 		
OR		
<input type="checkbox"/> 2. Current Radiation Safety Officer (RSO) or Associate Radiation Safety Officer (ARSO) Seeking Authorization to Be Recognized as a RSO or ARSO for the Additional Medical Uses Checked Above <ol style="list-style-type: none"> a. Use the table in section 5.c. to describe training in radiation safety, regulatory issues, and emergency procedures for the additional types of medical use for which recognition as RSO or ARSO is sought. b. If board certified, provide a copy of the certificate and stop here. If not board certified, skip to and complete Part II Preceptor Attestation. 		
OR		
<input checked="" type="checkbox"/> 3. Authorized User (AU), Authorized Medical Physicist (AMP), or Authorized Nuclear Pharmacist (ANP) identified on a license or permit in accordance with 10 CFR 35.50 (c)(2) <ol style="list-style-type: none"> a. Provide license number. b. Use the table in section 5.c. to describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license. c. If board certified, provide a copy of the certificate and stop here. If not board certified, skip to and complete Part II Preceptor Attestation. 		
OR		

NRC FORM 313A (RSO)
(01-2020)

U. S. NUCLEAR REGULATORY COMMISSION

**RADIATION SAFETY OFFICER OR
ASSOCIATE RADIATION SAFETY OFFICER
TRAINING, EXPERIENCE AND PRECEPTOR ATTESTATION [10 CFR 35.57, 35.50] (continued)**

4. Individuals applying simultaneously to be the RSO and AU on a new license

- a. Documentation of training and experience to be a new AU is attached
- b. The new license application is attached.
- c. Stop here.

OR

5. Structured Educational Program for Proposed RSO or ARSO

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 style="width: 50px;" type="text"/>				

NRC FORM 313A (RSO)
(01-2020)

U. S. NUCLEAR REGULATORY COMMISSION

**RADIATION SAFETY OFFICER OR
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TRAINING, EXPERIENCE AND PRECEPTOR ATTESTATION [10 CFR 35.57, 35.50] (continued)**

5. Structured Educational Program for Proposed RSO or ARSO (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.)+ <div style="border: 1px solid black; height: 20px; width: 100%; margin-top: 5px;"></div>		

* Choose all applicable sections of 10 CFR Part 35 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 (RSO)
(01-2020)

U. S. NUCLEAR REGULATORY COMMISSION

**RADIATION SAFETY OFFICER OR
ASSOCIATE RADIATION SAFETY OFFICER
TRAINING, EXPERIENCE AND PRECEPTOR ATTESTATION [10 CFR 35.57, 35.50] (continued)**

5. Structured Educational Program for Proposed RSO or ARSO (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 Christopher Conlin, MD	License/Permit Number listing supervising individual as a Radiation Safety Officer or Associate Radiation Safety Officer 21-04171-04
The supervising individual is authorized as the for the following medical uses: <input checked="" type="checkbox"/> 35.100 <input checked="" type="checkbox"/> 35.200 <input checked="" type="checkbox"/> 35.300 <input type="checkbox"/> 35.500 <input checked="" type="checkbox"/> 35.600 (remote afterloader) <input type="checkbox"/> 35.600 (gamma stereotactic radiosurgery)	<input type="checkbox"/> Radiation Safety Officer or the <input type="checkbox"/> Associate Radiation Safety Officer <input checked="" type="checkbox"/> 35.400 <input type="checkbox"/> 35.600 (teletherapy) <input checked="" type="checkbox"/> 35.1000 (I-125 GliaSite)

c. Describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license for the RSO or types of use for which the ARSO will be listed 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	Dr. Chris Conlin, RSO License No. 21-04171-04	01/01/2015- 04/07/2022
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses	Dr. Chris Conlin, RSO License No. 21-04171-04	01/01/2015- 04/04/2022
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):		

**RADIATION SAFETY OFFICER OR
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TRAINING, EXPERIENCE AND PRECEPTOR ATTESTATION [10 CFR 35.57, 35.50] (continued)**

5. Structured Educational Program for Proposed RSO or ARSO (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, ARSO, 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

Christopher Conlin, MD

21-04171-04

License/Permit lists supervising individual as:

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

Authorized as RSO, ARSO, 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.

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

Structured Educational Program for Proposed RSO or ARSO

I attest that Tomy Paul Kalapparambath, MD has satisfactorily completed

Name of Proposed RSO/ARSO

a structural educational 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).

AND

Second Section

I attest that Tomy Paul Kalapparambath, MD has training in

Name of Proposed RSO/ARSO

radiation safety, regulatory issues, and emergency procedures for the following types of use:

Check all that apply:

- 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 radioactive drug that contains a radionuclide that is primarily used for its electron emission, beta radiation characteristics, alpha radiation characteristics, or photon energy of less than 150 keV, for which a written directive is required

NRC FORM 313A (RSO)
(01-2020)

U. S. NUCLEAR REGULATORY COMMISSION

**RADIATION SAFETY OFFICER OR
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TRAINING, EXPERIENCE AND PRECEPTOR ATTESTATION [10 CFR 35.57, 35.50] (continued)**

PART II - PRECEPTOR ATTESTATION (continued)

Check all that apply:

- 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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Third Section

AND

I attest that Tomy Paul Kalapparambath MD
Name of Proposed Radiation Safety Officer or Associate Radiation Safety Officer

is able to independently fulfill the radiation safety-related duties as:

A Radiation Safety Officer for a medical use licensee.

OR

An Associate 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 I am the Associate Radiation Safety Officer for

Name of Facility: McLaren - Flint

License/Permit Number: 21-04171-04

Name of Preceptor (Typed or printed)

Christopher Conlin, MD

Telephone Number

810 342 2209
248 877 1322

Date

4-26-22

Signature

