



Telephone (302) 731-0001
Fax (302) 731-0040

December 18, 2019

Medical Licensing Section
U.S. Nuclear Regulatory Commission
Region 1, Division of Nuclear Materials Safety
2100 Renaissance Blvd
King of Prussia, Pa., 19406-2713

RE: U.S.N.R.C Radioactive Materials License No. 07-28154-01

Alfieri Cardiology, P.A. located at G-39 Omega Drive, Newark Delaware would like to amend its radioactive materials license number 07-28154-01 to reflect the following changes:

1. Addition of Vivek Varma, M.D. as Radiation Safety Officer, Dr. Varma is currently listed as RSO on Maryland License MD-15-014-01 attached. Also, we have included a Delegation of Authority.
2. Once Dr. Vivek Varma is approved, please delete Paul J. Alfieri, M.D. as RSO.

Sincerely,



Anthony Alfieri, D.O., FACC

WILMINGTON
701 Foulk Road
Suite 2B
Wilmington, DE 19803

OMEGA
G-39 Omega Drive
Newark, DE 19713

030 30418
MC 617 439
GLASGOW
2600 Glasgow Avenue
Suite 103
Newark, DE 19702

REC RG 1 1228 19MM0651

Model Delegation of Authority for Radiation Safety Officer

Model Delegation of Authority

Memo To: Radiation Safety Officer
From: Chief Executive Officer
Subject: Delegation of Authority

You, Vivek Varma, have been appointed radiation safety officer and are responsible for ensuring the safe and secure use of radiation. You are responsible for managing the Radiation Protection Program, identifying radiation protection problems, initiating, recommending, or providing corrective actions, verifying implementation of corrective actions, stopping unsafe activities, and ensuring compliance with regulations. You are hereby delegated the authority necessary to meet those responsibilities, including prohibiting the use of byproduct material by employees who do not meet the necessary requirements and shutting down operations, when justified, to maintain radiation safety. You are required to notify management if staff does not cooperate and does not address radiation safety issues. In addition, you are free to raise issues with the U.S. Nuclear Regulatory Commission at any time. It is estimated that you will spend 10 hours per week conducting radiation protection activities.



Signature of Management Representative

12/19/19

Date

I accept the above responsibilities,



Signature of Radiation Safety Officer

12/18/19

Date

cc: Affected department heads



Department of the Environment

RADIOLOGICAL HEALTH PROGRAM
RADIOACTIVE MATERIAL LICENSE

Page 2 of 4

License Number: MD-15-014-01

Amendment Number: 03

LICENSE CONDITIONS

10. The authorized place of use is the licensee's address stated in Item 2. The licensee must notify the Radiological Health Program 30 days prior to vacating a permanent use address.

11A. The radiation safety program shall be under the supervision of Vivek Varma, M.D.

11B. Radioactive material shall be used by:

Authorized User	Authorized Use
Vivek Varma, M.D.	G.100, G.200, for cardiac studies only; Item 6C

12. The licensee shall comply with all appropriate provisions of COMAR 26.12.01.01 "Regulations for Control of Ionizing Radiation."

13A. Each sealed source containing radioactive material, other than Hydrogen-3 with a half-life greater than thirty (30) days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six (6) months. In the absence of a certificate from a transferor indicating that a test has been made within six (6) months prior to the transfer, the sealed source shall not be put into use until tested. If there is reason to suspect that a sealed source might have been damaged, or might be leaking, it shall be tested for leakage before further use.

13B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of a device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate.

13C. Records of leak tests shall be kept in units of microcuries and maintained for inspection by the Department.

13D. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Department regulations. A report shall be filed within five (5) days of the test with the Administrator, Radiological Health Program, 1800 Washington Boulevard, Baltimore, Maryland 21230, describing the equipment involved, the test results, and the corrective action taken.



Department of the Environment

RADIOLOGICAL HEALTH PROGRAM
RADIOACTIVE MATERIAL LICENSE

Page 3 of 4

License Number: MD-15-014-01

Amendment Number: 03

License Conditions, Continued

- 13E. Test for leakage and/or contamination shall be performed by persons specifically authorized by the Department, the U.S. Nuclear Regulatory Commission or another Agreement State to perform such services.
- 13F. Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
- 13G. Except for alpha sources, the periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been tested within six months prior to the date of use or transfer.
- 14. Sealed sources containing radioactive material shall not be opened.
- 15. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for three (3) years from the date of the inventory for inspection by the Department, and shall include the quantities and kinds of radioactive material, location of sealed sources, and the date of the inventory.
- 16. The licensee may use the Calicheck or Lineator device for doing linearity tests of his dose calibrator provided he follows the procedures in the respective manuals.
- 17. Food and beverage containers shall not be discarded in radioactive or normal trash containers in licensee's areas utilizing radioactive materials.
- 18A. The licensee shall not make any false statement, representation, or certification in any application, record, report, plan, or other document regarding radiation levels, tests performed or radiation safety conditions or practices. Additionally, the licensee shall not falsify, tamper with, or render inaccurate any monitoring device or method.
- 18B. Violation of any term, condition, or regulation could subject the licensee to administrative or civil penalty or criminal prosecution, as specified in Title 8, Radiation, of the Article Environment of the Annotated Code of Maryland.



Department of the Environment

RADIOLOGICAL HEALTH PROGRAM
RADIOACTIVE MATERIAL LICENSE

Page 4 of 4

License Number: MD-15-014-01

Amendment Number: 03

License Conditions, Continued

19. This condition is specific to the applicant's initial receipt of this license. The licensee shall notify the Radiological Health Program's Inspection and Compliance Division, in writing, no later than 10 calendar days after initial receipt of radioactive material authorized on this license.
20. The licensee shall not transfer ownership and/or control of this license to any person or entity without providing required information regarding the transfer for the Agency's review and without receiving written authorization for the transfer by the Agency.
21. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material authorized by this license in accordance with statements representations, and procedures contained in:
 - Application dated May 20, 2013.
 - Letter dated August 14, 2013, with revised contamination table.

COMAR 26.12.01.01 "Regulations for Control of Ionizing Radiation" shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

FOR THE MARYLAND DEPARTMENT OF THE ENVIRONMENT

August 26, 2013

CAN

Can 8/26/2013
PJF 8/3/13

Roland G. Fletcher, Program Manager IV
Radiological Health Program
Air and Radiation Management Administration



Department of the Environment

**RADIOLOGICAL HEALTH PROGRAM
RADIOACTIVE MATERIAL LICENSE**

Page 1 of 4

Pursuant to the Maryland Radiation Act, 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 radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. The license is subject to all applicable rules, regulations and orders of the Maryland State Department of the Environment, now or hereinafter in effect and to any conditions specified below.

1. Name: Vivek Varma, M.D., P.A.
2. Address: 206 South Street, Suite C
Elkton, Maryland 21921

3. License No.: MD-15-014-01
4. Amendment No.: 03; **Renewal Code** 02201
5. Expiration Date: September 30, 2020

6. Radioactive material (element and mass number)

A. Any radioactive material listed in Section G.100 of COMAR 26.12.01.01

B. Any radioactive material listed in Section G.200 of COMAR 26.12.01.01

C. Cobalt-57

7. Chemical and/or physical form

A. Any radioactive material listed in Section G.100 of COMAR 26.12.01.01

B. Any radioactive material listed in Section G.200 of COMAR 26.12.01.01

C. Sealed Sources

8. Maximum amount of activity which licensee may possess at any one time

A. As needed to perform diagnostic tests

B. As needed to perform diagnostic tests

C. No source to exceed 15 millicuries

9. Authorized Use(s):

A. Any uptake, dilution, and excretion procedure approved in Section G.100 of COMAR 26.12.01.01. for cardiac studies only

B. Any imaging and localization procedure approved in Section G.200 of COMAR 26.12.01.01. for cardiac studies only

C. Reference, calibration, and quality control



ACKNOWLEDGEMENT - RECEIPT OF CORRESPONDENCE

Name and Address of Applicant and/or Licensee Alfieri Cardiology, P.A. ATTN: Paul Alfieri, President and CEO G-39 Omega Drive Newark, DE 19713	Date 01/08/2020
	License Number(s) 07-28154-01
	Mail Control Number(s) 617439
	Licensing and/or Technical Reviewer or Branch MLAB, DNMS

This is to acknowledge receipt of your: ☒ Letter and/or ☐ Application / Dated: 12/18/2019

The initial processing, which included an administrative review, has been performed.

☒ Amendment ☐ Termination ☐ New License ☐ Renewal

☒ There were no administrative omissions identified during our initial review.

☐ This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

☐ Your application for a new NRC license did not include your taxpayer identification number. Please complete and submit NRC Form 531, Request for Taxpayer Identification Number, located at the following link: <http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>

Follow the instructions on the form for submission.

☐ The following administrative omissions have been identified:

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Your application has been assigned the above listed MAIL CONTROL NUMBER. When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:

Region I
U. S. Nuclear Regulatory Commission
Division of Nuclear Materials Safety
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713
(610) 337-5260, (610) 337-5313,
(610) 337-5398, (610) 337-5513 or (610) 337-5239