



HECTOR K. COLLISON, M.D., F.A.C.C.
Clinical and Interventional Cardiology

P-7

March 20, 2008

Licensing Assistant Section
Nuclear Materials Safety Branch
U.S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

03036075

19-30752-01

RE: Ammendment To NRC Radioactive Materials License Number MD-~~19-3072-01~~
(Hector Collison, M.D., Metro Cardiovascular Associates) *Reg*

Dear Sirs:

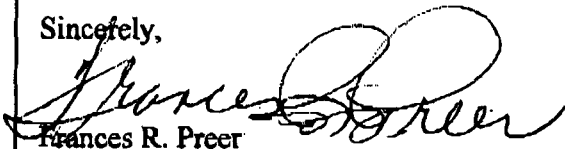
We would like to notify you, that Hector Collison, M.D. was killed in a plane crash on March 15, 2008. Dr. Collison was listed as an authorized user and radiation safety officer on this license. This is notification to NRC under section 35.24.

We wish to make the following changes to our radioactive materials license:

1. Please add Dr. Nader A. Dakak to this license as an authorized user. We wish that Dr. Dakak be authorized to use materials permitted by 35.100 and 35.200. Dr. Dakak is currently listed as an authorized user on MD-33-139-01.
2. This is an emergency situation. We would like Dr. Dakak to be the temporary Radiation Safety Officer for licensed activities conducted under this license, as of March 20, 2008.

There are no other changes to our program. Please contact me should you have any questions concerning the requested changes.

Sincerely,


Frances R. Preer
Executive Officer

142211

NMSS/RGN1 MATERIALS-002



Department of the Environment

**RADIOLOGICAL HEALTH PROGRAM
RADIOACTIVE MATERIAL LICENSE**

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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: Spring Street Radiology	3. License No.: MD-31-191-01
2. Address: 8401 Colesville Road, Suite 310 Silver Spring, Maryland 20910	4. Amendment No.: 11 CODE 02201
	5. Expiration Date: March 31, 2008
6. Radioactive material element & 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 D. 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 Source D. Sealed Source
	8. Maximum amount of radioactivity 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 7 millicuries D. No source to exceed 20 millicuries

CONDITIONS

9. Authorized Use(s):

- A. Any uptake, dilution, and excretion nuclear cardiology procedure approved in Section G.100 of COMAR 26.12.01.01.
- B. Any imaging and localization nuclear cardiology procedure approved in Section G.200 of COMAR 26.12.01.01.
- C. Calibration and/or reference source.
- D. Imaging camera QC.

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 protection program shall be under the supervision of Hector K. Collison, M.D.

11B. Radioactive material shall be used by Hector K. Collison M.D. or Nada Dakak, M.D.

12. The licensee shall comply with all appropriate provisions of COMAR 26.12.01.01 "Regulations for Control of Ionizing Radiation," and shall possess a copy of these regulations.

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.



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- 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 Blvd., Baltimore, Maryland, 21230, describing the equipment involved, the test results, and the corrective action taken.
- 13E. Test for leakage and/or contamination shall be performed by Radiation Service Organization or by other 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 three (3) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two (2) 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 device for doing linearity tests of his dose calibrator provided he follows the procedures in the Calcorp, Inc. Manual dated March 2, 1992.
17. The licensee shall elute generators and process radioactive material with reagent kits in accordance with instructions furnished by the manufacturer on the label attached to or in the leaflet or brochure that accompanies the generator or reagent kit.
- 18A. The licensee shall perform a test to detect and quantify the activity of molybdenum-99 contamination in each elution of technetium-99m from a molybdenum-99/technetium-99m generator and in each extraction or separation of technetium-99m from molybdenum-99 not contained in a generator.



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- 18B. The licensee shall not use technetium-99m for human use that contains more than 0.15 microcurie of molybdenum-99 per millicurie of technetium-99m. The limit for molybdenum-99 contamination represents a maximum value and molybdenum-99 contamination should be kept as low as reasonably achievable below this limit.
- 18C. The licensee shall establish written procedures for personnel performing tests to detect and quantify molybdenum-99 contamination. These procedures shall include all necessary calculations and steps to be taken if activities of molybdenum-99 in excess of the limit specified in Item 18B. above are detected.
- 18D. Personnel performing tests to detect and quantify molybdenum-99 contamination shall be given specific training in performing these tests prior to conducting such tests.
- (1) The licensee shall maintain for inspection by the Department records of the results of each test performed to detect and quantify molybdenum-99 contamination and records of training given to personnel performing these tests.
 - (2) Records described in Subitem (1) above shall be maintained for two (2) years following the performance of the tests and the training of personnel.
19. Food and beverage containers shall not be discarded in radioactive or normal trash containers in licensee's areas utilizing radioactive materials.
- 20A. 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.
- 20B. 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.
- 20C. 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.



MARYLAND DEPARTMENT OF THE ENVIRONMENT
1800 Washington Boulevard • Baltimore MD 21201
410-537-3000 • 1-800-633-6101

Martin O' Malley
Governor

Anthony G. Brown
Lieutenant Governor

FEB 25 2008

Shari T. Wilson
Secretary

Robert M. Summers, Ph.D
Deputy Secretary

Hector K. Collison, MD, Radiation Safety Officer
Spring Street Radiology Inc
8401 Colesville Road
Suite 310
Silver Spring, MD 20910

RE: Radioactive Material License #MD-31-191-01

Dear Dr. Collison:

Your requested amendment to radioactive materials license number MD-31-191-01 is enclosed. Please review it carefully to ensure that it reflects all modifications included in your letter received in this office on January 9, 2008.

Should you require further assistance, please contact Mr. Raymond E. Manley at 410-537-3301. You may also reach our office toll-free by dialing 1-800-633-6101 and requesting extension 3301. Also, you may contact this office via facsimile at 410-537-3198.

Sincerely

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

RGF/BGP/DKM/cc

Enclosure(s): License amendment (11)
Code (02201)



MARYLAND DEPARTMENT OF THE ENVIRONMENT
1800 Washington Boulevard • Baltimore MD 21230
410-537-3000 • 1-800-633-6101

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Secretary

Robert M. Summers, Ph.D
Deputy Secretary

February 28, 2008

Hector K. Collison, M.D. Radiation Safety Officer
Silver Spring Radiology
8401 Colesville Road
Suite 310
Silver Spring, Maryland 20910

RE: Application renewal

Dear Dr. Collison:

We received your application for the renewal of the Radioactive Materials License Number MD-31-191-01. The submission of your application will permit us to continue your current license in effect until action has been taken by this office on the application.

This letter does not grant approval of any changes in radiation safety procedures, radioactive materials or possession limits. If such changes have been requested, they must await final approval from this office in form of a license renewal. Should you have any questions please contact Ms. Barbara Park or me at (410) 537-3302 or toll-free 1-800-633-6101 and requesting extension 3302.

Sincerely,

Raymond E. Manley, Chief
Radioactive Materials Licensing and
Compliance Division

REM/NAO/





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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 December 16, 1999.
 - compliance response dated August 4, 2000.
 - letter dated February 13, 2001
 - facsimile dated August 9, 2004, adding Nadar Dakak, M.D.
 - letter dated January 7, 2008, requesting to assay doses in accordance with COMAR 26.12.01.01 § G.63 (10CFR 35.63).

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

January 25, 2008

DM 1/25/08

BSP
2/6/08

DKM

Roland G. Fletcher, Manager III
Radiological Health Program