



NASON HOSPITAL

105 NASON DRIVE • ROARING SPRING, PA. 16673 • (814) 224-2141

NMSSL

June 7, 2007

Licensing Branch
Nuclear Materials Safety Section
Division of Safety & Safeguards
U.S. N.R.C. - Region I
475 Allendale Rd.
King of Prussia, PA 19406

Dear License Reviewer,

03019359

Please amend our Radioactive Materials License (37-20518-01) (Nason Hospital) to reflect the following immediate changes in our program:

1. Please add the following Authorized User of radioactive materials to our license
Steven Diehl, M.D. – 35.100, 35.200

For current equivalent licensure please see Maryland Agreement State Material License no. MD-43-032-01
(Diagnostic Imaging Services, Hagerstown, MD)

2. Please remove Maria Pettinger, M.D., as our Radiation Safety Officer. We wish to appoint Steven Diehl, M.D., as our new RSO. Dr. Diehl has served as an AU and RSO on the license for Diagnostic Imaging Services, in Hagerstown, MD. Enclosed please find a copy of their license for review.

All other aspects of our radiation safety program remain unchanged. Your prompt attention to this matter is greatly appreciated. Would you please return an advance copy of the amended license to us by fax at (814) 224-6254.

If you have any questions, please contact our consultant radiation physicist, Jay Yoder, MS, DABR, of Walter L. Robinson and Associates at 610-873-2791, or contact us at 814-224-6204.

Sincerely,

Garrett W. Hoover
President/Chief Executive Officer

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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: Diagnostic Imaging Services 2. Address: 11110 Medical Campus Road, Suite 204 Hagerstown, Maryland 21742		3. License No.: MD-43-032-01 4. Amendment No.: 01 Code (02201) 5. Expiration Date: July 31, 2013	
6. Radioactive material (element and mass number) A. Fluorine-18 B. Rubidium-82 C. Any radioactive material listed in Section G.29 of COMAR 26.12.01.01 except Iodine-125 D. Any radioactive material listed in Section G.31 of COMAR 26.12.01.01 except Iodine-125 E. Cobalt-57 F. Gadolinium-153 G. Germanium-68	7. Chemical and/or physical form A. Fluorodeoxyglucose B. Chloride in a rubidium generator C. Any radioactive material listed in Section G.29 of COMAR 26.12.01.01 D. Any radioactive material listed in Section G.31 of COMAR 26.12.01.01 E. Sealed Sources F. Sealed Sources G. Sealed Sources	8. Maximum amount of activity which licensee may possess at any one time A. As need; total not to exceed 1000 millicuries B. As needed; total not to exceed 600 millicuries C. As needed to perform diagnostic tests D. As needed to perform diagnostic tests E. No source to exceed 15 millicuries F. 750 millicuries G. No source to exceed 1.5 millicuries; total possession not to exceed millicuries 10.8 millicuries	

9. Authorized Use(s):
 A. Diagnostic imaging and localization studies
 B. Diagnostic imaging and localization studies
 C. Any uptake, dilution, and excretion procedure approved in Section G.29 of COMAR 26.12.01.01.
 D. Any imaging and localization procedure approved in Section G.31 of COMAR 26.12.01.01.
 E. Instrument check source
 F. Energy correction/ calibration
 G. Calibration sources



Department of the Environment

**RADIOLOGICAL HEALTH PROGRAM
RADIOACTIVE MATERIAL LICENSE**

License Number: MD-43-032-01

Amendment Number: 01

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 Steven Diehl, M.D.

11B. Radioactive material shall be used by:

Authorized User	Authorized Use
Narasim S. Murthy, M.D.	6A-6G
Steven Diehl, M.D.	6A-6G

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.

13. Leak Testing of sealed sources shall be conducted in accordance with COMAR 26.12.01.01 § D.401

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 or Lineator device for doing linearity tests of his dose calibrator provided he follows the procedures in the respective manuals.

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.

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.



Department of the Environment

RADIOLOGICAL HEALTH PROGRAM
RADIOACTIVE MATERIAL LICENSE

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License Number: MD-43-032-01

Amendment Number: 01

CONDITIONS

- 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 Sub-item (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.
- 21A. 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 March 23, 2006;
 - Facsimile dated July 19, 2006.
 - Letter dated August 17, 2006, with attachments, adding Dr. Murthy.
- 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.
- 21B. This condition is specific to the applicant's initial receipt of this license. The licensee shall notify the Radiological Health Program's Radioactive Materials Inspection and Compliance Division, in writing, no later than 10 calendar days after the initial receipt of radioactive materials authorized on this license.

FOR THE MARYLAND DEPARTMENT OF THE ENVIRONMENT

Roland G. Fletcher, Manager III
Radiological Health Program

dkm DM 8/25/06
August 25, 2006

BJP 9/13/06

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

6/7/2007, and to inform you that the initial processing which includes an administrative review has been performed.

AMEND. 37-20518-01
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 140691.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.