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To: Shirley Xu From: Teresa Snyder  
 Facility: NRC Date: 3/26/07  
 Address: Pages: (INCLUDING COVER)  
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**Urgent**

For Review

Please Comment

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**Comments:**

Copy of MD radioactive materials license for Dr. David Isaacs. Amendment request - control # 140195.

If you do not receive all pages to this fax, please call and let me know.



140195



Department of the Environment

RADIOLOGICAL HEALTH PROGRAM  
RADIOACTIVE MATERIAL LICENSE

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: Advanced Diagnostic Radiology, LLC	3. License No.: MD-01-023-01
2. Address: 952 Seton Drive, Suites 240 & 242 Cumberland, Maryland 21502	4. Amendment No.: 03 Code (02200)
	5. Expiration Date: November 30, 2010

6. Radioactive material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of activity which licensee may possess at any one time
A. Any radioactive material listed in COMAR 26.12.01.01 § G.29	A. Any	A. As needed
B. Any radioactive material listed in COMAR 26.12.01.01 § G.31	B. Any	B. As needed
C. Any radioactive material listed in COMAR 26.12.01.01 § G.35	C. Any	C. 500 millicuries
D. Cobalt-57	D. Sealed sources pursuant to COMAR 26.12.01.01 § G.18	D. No source to exceed 15 millicuries
E. Cesium-137	E. Sealed sources pursuant to COMAR 26.12.01.01 § G.18	E. No source to exceed 250 microcuries

9. Authorized Use(s):
- A. Medical use of radiopharmaceuticals pursuant to COMAR 26.12.01.01 § G. 29
  - B. Medical use of radiopharmaceuticals pursuant to COMAR 26.12.01.01 § G. 31
  - C. Medical use of radiopharmaceuticals pursuant to COMAR 26.12.01.01 § G. 35
  - D-E Reference and/or calibration source
10. The authorized place of use is Item 2. The licensee must notify the Radiological Health Program 30 days prior to vacating a permanent use address.



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License Number: MD-01-023-01

Amendment Number: 03 (CODE 02200)

LICENSE CONDITIONS

11A. The radiation protection program shall be under the supervision of Jong K. Kim M.D.

11B. Radioactive material shall be used by :

Authorized User	Material and Use
Jong K. Kim, M.D	6A-6E
Myung Sup Kim, M.D	6A-6E
Stephen Barnett Eagles, M.D.	6A, 6B, 6D, 6E
David Isaacs, M.D.	6A-6E

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.

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 Program, Administrator, Radiological Health Program, 1800 Washington Blvd., Baltimore, Maryland 21230 describing the equipment involved, the test results, and the corrective action taken.



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License Number: MD-01-023-01

Amendment Number: 03 (CODE 02200)

LICENSE CONDITIONS

- 13E. Test for leakage and/or contamination shall be performed by the licensee 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. Food and beverage containers shall not be discarded in radioactive or normal trash containers in licensee's areas utilizing radioactive materials.
17. Transportation of radioactive material in the State of Maryland shall be in compliance with Part T, Section T.5 "Transportation of Licensed Material" of COMAR 26.12.01.01.
18. 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.



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License Number: MD-01-023-01

Amendment Number: 03 (CODE 02200)

LICENSE CONDITIONS

- 19. 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
  - A. Application dated August 5, 2003;
  - B. Email dated October 21, 2003, with attached photos.
  - C. Letter with attachments dated February 4, 2004, adding Stephen Barnett Eagles M.D. as an authorized user.
  - D. Letter dated February 7, 2005, deleting Dr. Jain.
  - E. Facsimile of letter dated December 5, 2006, adding Dr. Isaacs.

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

Roland G. Fletcher, Manger III  
Radiological Health Program

December 12, 2006

BJP