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Anaheim, California 92806  
TEL 800.544.3215 FAX 714.688.3711  
www.allianceimaging.com

NMS52

March 25, 2008

United States  
Nuclear Regulatory Commission  
Region I  
475 Allendale Road  
King of Prussia, PA 19406

03035774

RECEIVED  
REGION 1

2008 MAR 31 PM 12:19

**RE: West Virginia Materials License # 47-25570-01**

To Whom It May Concern:

Please amend our radioactive materials license as follows:

1. Add authorization for the medical use of Fluorine-18 as identified in 10 CFR 35.200. The possession limit for Fluorine – 18 limit 1 Curie/per mobile coach.
2. Add Germanium/Gallium-68 as sealed sources for transmission/calibrations in accordance with 10CFR 35.65. No single source to exceed 10 mCi.
3. The Radiation Safety Officer for the license is Sharon L. Long. Mrs. Long is identified on the NRC Medical Use license Number 47-19919-01.
4. The physician authorized users for the license are as follows :

Hunter Holmes McGuire VA Medical Center, Richmond, VA #45-09413-06

Physician Name

1	Timothy Burke, MD
2	Wilhelmina Estrada, MD
3	John Weaver, MD
4	Jae-Hwi Yoo, MD
5	James Tatum, MD

VA Medical Center, Ashville, NC #32-05830-01

1	Keith Y. Kohatsu, MD
2	Jose A. Lauderman, MD

VA Medical Center, Salem, VA #45-09669-02

1	Rathnakara M. Sherigar, MD
2	Mohammad Naseem, MD
3	Nabil F. Jarmukli, MD

142278

NMSS/RGN1 MATERIALS-002

***West Virginia Materials License # 47-25570-01***

March 25, 2008

Page 2

Department of Veterans Affairs Medical Center, Durham, NC #104(RV2)

1	R. Edward Coleman, MD
2	Michael W. Hanson, MD
3	Salvador Borges-Neto, MD
4	Terrence Z. Wong, MD PhD
5	Bennett Bing Chin, MD

(The RSO and Physician Authorized Users are identified on NRC, Agreement State, or Veterans Affairs license(s). Copies of these documents are attached for reference).

5. In accordance with 10 CFR 35.80 we have obtain a letter signed by the management of each client for which services are rendered that permits the use of byproduct material at the client's address and clearly delineates the authority and responsibility of the licensee and the client.
6. All eligible radioactive waste will be decayed in storage on the mobile coach.

If additional information or if you have any questions, please do hesitate to contact me at 714-688-3532 or e-mail [pwilliams@allianceimaging.com](mailto:pwilliams@allianceimaging.com).

Sincerely,



Alliance Imaging  
Patricia A. Williams  
Vice President, Asset Management

cc: Mike Culley  
Stacey Lindsay  
Sharon L. Long  
RAML - WV

**NRC FORM 313**  
(10-2005)  
10 CFR 30, 32, 33,  
34, 35, 36, 39, and 40

**U.S. NUCLEAR REGULATORY COMMISSION**

**APPLICATION FOR MATERIAL LICENSE**

**APPROVED BY OMB: NO. 3150-0120**

**EXPIRES: 10/31/2008**

Estimated burden per response to comply with this mandatory collection request: 4.4 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to [infocollects@nrc.gov](mailto:infocollects@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

**INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.**

**APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:**

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY  
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

**ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:**

**IF YOU ARE LOCATED IN:**

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM  
DIVISION OF NUCLEAR MATERIALS SAFETY  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

**IF YOU ARE LOCATED IN:**

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TX 76011-4005

03035774

**PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.**

**1. THIS IS AN APPLICATION FOR (Check appropriate item)**

☐

A. NEW LICENSE

☒

B. AMENDMENT TO LICENSE NUMBER 47-25570-01

☐

C. RENEWAL OF LICENSE NUMBER

**3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED**

Mobile Service

**2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)**

Alliance Imaging, Inc.  
330 Harper Park Drive Suite C  
Beckley, West Virginia 25801

**4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION**

Sharon L. Long RSO

TELEPHONE NUMBER

(888) 456-5255

**SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.**

**5. RADIOACTIVE MATERIAL**

a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

**7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.**

**9. FACILITIES AND EQUIPMENT.**

**11. WASTE MANAGEMENT.**

**6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.**

**8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.**

**10. RADIATION SAFETY PROGRAM.**

**12. LICENSE FEES (See 10 CFR 170 and Section 170.31)**

FEE CATEGORY

AMOUNT  
ENCLOSED \$

**13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.**

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

**CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE**

**Patricia A. Williams**

**SIGNATURE**



**DATE**

3/25/08

**FOR NRC USE ONLY**

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

142278

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, 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 byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<b>Licensee</b>  1. Logan General Hospital D/b/a Logan Regional Medical Center  2. 20 Hospital Drive Logan, West Virginia 25601-3474	In accordance with the letters dated August 28 and October 12, 2007,  3. License number 47-19919-01 is amended in its entirety to read as follows:  4. Expiration date November 30, 2012  5. Docket No. 03019530 Reference No.	
6. Byproduct, source, and/or special nuclear material  A. Any byproduct material permitted by 10 CFR 35.100  B. Any byproduct material permitted by 10 CFR 35.200	7. Chemical and/or physical form  A. Any  B. Any	8. Maximum amount that licensee may possess at any one time under this license  A. As needed  B. As needed
9. Authorized use:  A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100. B. Any imaging and localization study permitted by 10 CFR 35.200.		

**CONDITIONS**

10. Licensed material may be used or stored only at the licensee's facilities located at 20 Hospital Drive, Logan, West Virginia.
11. The Radiation Safety Officer for this license is Sharon Long.
12. Licensed material is only authorized for use by, or under the supervision of:
  - A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.
  - B. The following individuals are authorized users for medical use as indicated:

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
47-19919-01Docket or Reference Number  
03019530

Amendment No. 21

<u>Authorized Users</u>	<u>Material and Use</u>
Satyanarayana Mamidi, M.D.	35.100; 35.200
Marsha S. Anderson, M.D.	35.100; 35.200
Paul D. Akers, M.D.	35.100; 35.200
Rodger A. Blake, M.D.	35.100; 35.200
Peter A. Chirico, M.D.	35.100; 35.200
James Allen Cochrane, M.D.	35.100; 35.200
Ricky Jack Compton, M.D.	35.100; 35.200
Hans G. Dransfeld, M.D.	35.100; 35.200
Joseph Dransfeld, M.D.	35.100; 35.200
Lee Corey Haikal, M.D.	35.100; 35.200
Michael V. Korona, Jr., M.D.	35.100; 35.200
Eric Lawrence Leonard, M.D.	35.100; 35.200
Donald Lewis, M.D.	35.100; 35.200
Richard E. McWhorter, M.D.	35.100; 35.200
William S. Sheils, M.D.	35.100; 35.200
Charles Seigler, M.D.	35.100; 35.200
Torin P. Walters, M.D.	35.100; 35.200

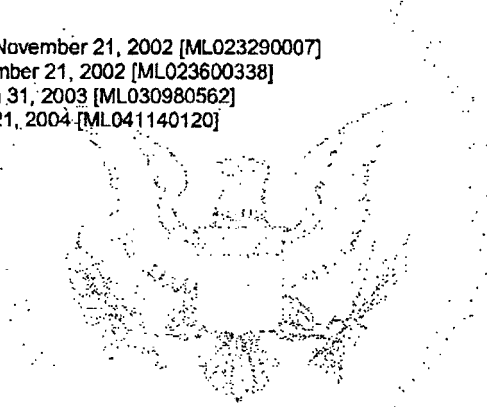
13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
47-19919-01Docket or Reference Number  
03019530

Amendment No. 21

15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Application dated November 21, 2002 [ML023290007]
- B. Letter dated November 21, 2002 [ML023600338]
- C. Letter dated March 31, 2003 [ML030980562]
- D. Letter dated April 21, 2004 [ML041140120]



For the U.S. Nuclear Regulatory Commission

Date October 17, 2007

By *Sandra Gabriel*  
Sandra Gabriel  
Medical Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406  
Wednesday, October 17, 2007 5:14:43 PM

# Department of Veterans Affairs

Page 1 of 8 pages	<b>MATERIALS PERMIT</b>	Amendment No. 36
In accordance with VHA Directive 1105.1 and reliance on statements made by the applicant, permission is hereby granted to receive, possess, transfer, and store radioactive materials listed below, and to use this material for the purpose and at the places listed below.		
<b>Permittee</b> 1. Hunter Holmes McGuire VA Medical Center 2. 1201 Broad Rock Boulevard Richmond, Virginia 23249	3. In accordance with your request of May 25, 2007, Permit Number 45-09413-06 is amended to read as follows: 4. Expiration date: January 31, 2010 5. Docket or Reference Number: 030-03338	

- |  |  |   |
|--|--|---|
| 6. Byproduct, source, and/or special nuclear material<br><br>A. Any byproduct material permitted by 10 CFR 35.100<br>B. Any byproduct material permitted by 10 CFR 35.200<br>C. Any byproduct material permitted by 10 CFR 35.300<br>D. Palladium 103 permitted by 10 CFR 35.400<br><br>E. Iodine 125 permitted by 10 CFR 35.400 | 7. Chemical and/or physical form<br><br>A. Any<br>B. Any<br>C. Any<br>D. Sealed sources (International Brachytherapy, Inc., Model 1031L; Best Medical Model 2334; North American Scientific, Inc., Model MED3633; Theragenics Corporation Model 200; Draximage, Inc., Model LS-1)<br>E. Sealed sources (Akersham Health Models 6711 and 6733; Best Medical Model 2301; Draximage, Inc., Model LS-1; Implant Sciences Model 3500; International Brachytherapy Model 1251L; International Isotopes Model IS-12501; IsoAid Model IAI-125A; Isotron Model 130.002; Mills Biopharmaceuticals Model I-125 SL; North American Scientific, Inc., Model MED3631 A/M; Source Tech Medical Model STM 1251; Syncor Pharmaceuticals, Inc., Model BT-125-1; Theragenics Corporation and BEBIG Model I25.S06) | 8. Maximum amount permittee may possess at any one time under this permit<br><br>A. As needed<br>B. As needed<br>C. 74 gigabecquerels (GBq) [2 curies (Ci)]<br>D. 74 GBq (2 Ci)<br><br>E. 74 GBq (2 Ci) |
|--|--|---|

**MATERIALS PERMIT  
SUPPLEMENTARY SHEET**

Page 2 of 6

Permit Number: 45-08413-06

Docket or Reference Number: 030-03338

Amendment No. 38

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount permittee may possess at any one time under this permit
F. Cesium 131 permitted by 10 CFR 35.400	F. Sealed sources (IsoRay Medical, Inc., Model CS-1)	F. 74 GBq (2 Ci)
G. Gadolinium 153 permitted by 10 CFR 35.500	G. Sealed sources (North American Scientific, Inc. Model MED 3801)	G. 11.1 GBq (300 mCi) per source and 37 GBq (1 Ci) total
H. Iridium 192 permitted by 10 CFR 35.600	H. Sealed Sources (Varian Medical Systems Model VS2000)	H. 481 GBq (13 Ci) per source and 777 GBq (21 Ci) total
I. Any byproduct material with Atomic Numbers 1-83	I. Any	I. 7.4 GBq (200 mCi) per radionuclide and 185 GBq (5 Ci) total
J. Hydrogen 3	J. Any	J. 11.1 GBq (300 mCi)
K. Depleted uranium	K. Metal	K. 999 kilograms

**9. Authorized Use:**

- A. Any uptake, dilution, and excretion study permitted by 10 CFR 35.100.
- B. Any imaging and localization study permitted by 10 CFR 35.200.
- C. Any diagnostic study or therapeutic procedure permitted by 10 CFR 35.300.
- D. Any manual brachytherapy permitted by 10 CFR 35.400.
- E. Any manual brachytherapy permitted by 10 CFR 35.500.
- F. Any manual brachytherapy permitted by 10 CFR 35.600.
- G. For possession and use in ADAC Laboratories "Vantage" Nonuniform Attenuation Correction System in gamma cameras for imaging purposes. For storage in a shipping cask pursuant to source exchange.
- H. For medical use permitted by 10 CFR 35.600 in a Varian VarSource high-dose-rate (HDR) remote-afterloading brachytherapy device. The source activity may not exceed 407 GBq (11 curies) at the time of installation. One source in its shipping container as necessary for source replacement in the remote-afterloader unit.
- I. and J. Research and development as defined in 10 CFR 30.4, including animal studies, instrument calibration, student instruction, and *in vitro* studies.
- K. For possession and use as shielding in an ADAC Laboratories Model MCD/AC System Attenuation Correction Device.

**CONDITIONS**

- 10. Permitted material shall be used only at the permittee's facilities located at 1201 Broad Rock Boulevard, Richmond, Virginia.
- 11. The Radiation Safety Officer for this permit is Panos P. Fatouros, Ph.D.
- 12. Permitted material is only authorized for use by, or under the supervision of:
  - A. Individuals permitted to work as an authorized user and/or authorized nuclear pharmacist in accordance with 10 CFR 35.13 and 35.14.



**MATERIALS PERMIT  
SUPPLEMENTARY SHEET**

Page 3 of 6

Permit Number: 45-00413-06

Docket or Reference Number: 030-03338

Amendment No. 36

- B. The following individuals are authorized for the materials and uses indicated:

<u>Authorized User</u>	<u>Material and Use</u>
Timothy Burke, M.D.	35.100, 35.200, 35.300, 35.500, depleted uranium
Wilhelmina Estrada, M.D.	35.100, 35.200, 35.300, 35.500, depleted uranium
John Weaver, M.D.	35.100, 35.200, 35.300, 35.500, depleted uranium
Jae-Hwi Yoo, M.D.	35.100, 35.200, 35.300, 35.500, depleted uranium
James Tatum, M.D.	35.100, 35.200
Michael Hagan, M.D.	35.400, Iridium 192 for use in a high-dose-rate remote-afterloader unit
Anthony Addesa, M.D.	35.400, Iridium 192 for use in a high-dose-rate remote-afterloader unit
Douglas W. Arthur, M.D.	35.400, Iridium 192 for use in a high-dose-rate remote-afterloader unit

- C. The following individuals are authorized medical physicists for the material and uses as indicated:

<u>Authorized Medical Physicist</u>	<u>Material and Use</u>
Jeffrey Williamson, Ph.D.	Iridium 192 for use in a high-dose-rate remote-afterloader unit
Habeesb Salah, Ph.D.	Iridium 192 for use in a high-dose-rate remote-afterloader unit
Mirek Fatyga, Ph.D.	Iridium 192 for use in a high-dose-rate remote-afterloader unit

- D. Permitted materials for other than use shall be used under the supervision of, individuals designated by the Radiation Safety Committee.
13. Permitted material shall not be used in field applications where activity is released except as provided otherwise by specific condition of this permit.
14. Experimental animals, or the products from experimental animals, that have been administered permitted material shall not be used for human consumption.
15. This permit does not authorize commercial distribution of permitted material.
16. For sealed sources not associated with 10 CFR 35 use, the following conditions apply:
- Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.
  - Notwithstanding Paragraph A of this permit condition, sealed sources designed to primarily emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed three months.
  - Each sealed source fabricated by the permittee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.

# Department of Veterans Affairs

Page 1 of 3 pages	<b>MATERIALS PERMIT</b>	Amendment No. 43
In accordance with VHA Directive 1105.1 and in reliance on statements made by the applicant, permission is hereby granted to receive, possess, transfer, and store radioactive materials listed below, and to use this material for the purpose and at the places listed below.		
<b>Permittee</b> 1. VA Medical Center 2. 1970 Roanoke Boulevard Salem, Virginia 24153		3. In accordance with your request of July 28, 2006, Permit Number 45-09669-02 is amended to read as follows: 4. Expiration date: February 28, 2010 5. Docket or Reference Number: 030-08460

- |  |   |  |
|--|---|--|
| 6. Byproduct, source, and/or special nuclear material<br><br>A. Any byproduct material permitted by 10 CFR 35.100<br>B. Any byproduct material permitted by 10 CFR 35.200<br>C. Any byproduct material permitted by 10 CFR 35.300<br>D. Any byproduct material permitted by 10 CFR 31.11 | 7. Chemical and/or physical form<br><br>A. Any<br>B. Any<br>C. Any<br>D. Prepackaged kits | 8. Maximum amount permittee may possess at any one time under this permit<br><br>A. As needed<br>B. As needed<br>C. 37 gigabecquerels (1 curie)<br>D. 37 megabecquerels (MBq) (1 millicurie (mCi)) |
|--|---|--|
- 
9. Authorized Use:
- A. Any uptake, dilution, and excretion study permitted by 10 CFR 35.100.
  - B. Any imaging and localization study permitted by 10 CFR 35.200.
  - C. Any diagnostic study or therapy procedure permitted by 10 CFR 35.300.
  - D. *In vitro* studies permitted by 10 CFR 31.11.

10. Permitted material may be used at the permittee's facilities located at 1970 Roanoke Boulevard, Salem, Virginia.

11. The Radiation Safety Officer for this permit is Lee S. Anthony, Ph.D.

12. Permitted material is only authorized for use by, or under the supervision of:

A. Individuals permitted to work as an authorized user and/or authorized nuclear pharmacist in accordance with 10 CFR 35.13 and 35.14.

B. The following individuals are authorized users for the materials and uses indicated:

Authorized Users

Rathnakara M. Sherigar, M.D.

Mohammad Naseem, M.D.

Material and Use

35.100, 35.200, 35.300, 31.11

35.100, 35.200, 35.300

**MATERIALS PERMIT  
SUPPLEMENTARY SHEET**

Page 2 of 3

Permit Number: 45-08689-02

Docket or Reference Number: 030-08460

Amendment No. 43

Authorized Users

Nabil F. Jarmukil, M.D.

Ali Iranmanesh, M.D.

Material and Use

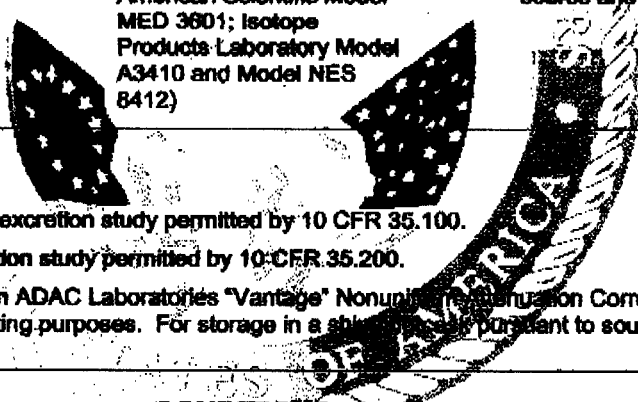
35.100, 35.200 for cardiology studies only

35.100, 31.11

13. This permit does not authorize commercial distribution of permitted material.
14. Sealed sources containing permitted material shall not be opened or sources removed from source holders by the permittee.
15. A. The permittee shall conduct physical inventories to account for all sealed sources and/or devices received and possessed under this permit.
- (1) Quarterly, for sealed sources with either current activity greater than one millicurie or current activity greater than 1000 times the quantities in 10 CFR 20, Appendix C.
  - (2) Semiannually, for all other sealed sources, except sources specifically exempted by 10 CFR 30.
- B. The permittee shall maintain records for five years from the date of each inventory and include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
- C. The permittee shall classify sealed sources, not in active use for their intended clinical or research purpose for a period of 24 months, as disused sources and evaluate the disused sources for disposal as expeditiously as possible.
- D. The permittee shall provide oversight for security of radioactive materials by:
- (1) Compliance with regulations for 10 CFR 20.1801 and 10 CFR 20.1802.
  - (2) Prevention of adversarial or unauthorized removal of, or access to, radioactive materials.
  - (3) Use of two delay methods for sealed sources not in use.
  - (4) Focus to security commensurate with possible risks of radioactive materials authorized use.
16. The permittee is authorized to transport permitted material only in accordance with the provisions of 10 CFR 71, "Packaging and Transportation of Radioactive Materials."
17. In addition to the possession limits in Item 8, the permittee shall not restrict the possession of unsealed byproduct material to quantities less than  $10^6$  times the applicable limits in Appendix B of 10 CFR 30, as specified in 10 CFR 30.35(d).
18. Incineration of permitted material for the purpose of disposal may be performed only as authorized by 10 CFR 20.2004(a)(2).

# Department of Veterans Affairs

Page 1 of 3 pages	<b>MATERIALS PERMIT</b>	Amendment No. 77
In accordance with VHA Directive 1105.1 and reliance on statements made by the applicant, permission is hereby granted to receive, possess, transfer, and store radioactive materials listed below, and to use this material for the purpose and at the places listed below.		
<b>Permittee</b>  1. VA Medical Center 2. 1100 Tunnell Road Asheville, North Carolina 28806	3. In accordance with your requests of October 27, 2005, and February 23, 2006, Permit Number 32-05830-01 is amended to read as follows:  4. Expiration date: January 31, 2009  5. Docket or Reference Number: 030-02632	

- |   |  |  |
|---|--|--|
| 6. Byproduct, source, and/or special nuclear material<br><br>A. Any byproduct material permitted by 10 CFR 35.100<br><br>B. Any byproduct material permitted by 10 CFR 35.200<br><br>C. Gadolinium 153 permitted by 10 CFR 35.500 | 7. Chemical and/or physical form<br><br>A. Any<br><br>B. Any<br><br>C. Sealed sources (North American Scientific Model MED 3601; Isotope Products Laboratory Model A3410 and Model NES 8412) | 8. Maximum amount permittee may possess at any one time under this permit<br><br>A. As needed<br><br>B. As needed<br><br>C. 11.1 GBq (300 millicuries) per source and 111 GBq (3 Ci) total |
|---|--|--|
- 
9. Authorized Use:
- A. Any uptake, dilution, and excretion study permitted by 10 CFR 35.100.
  - B. Any imaging and localization study permitted by 10 CFR 35.200.
  - C. For possession and use in ADAC Laboratories "Vantage" Nonuniflex Fluorination Correction System in gamma cameras for imaging purposes. For storage in a shielded container pursuant to source exchange.

## CONDITIONS

- 10. Permitted material may be used at the permittee's facilities located at 1100 Tunnell Road, Asheville, North Carolina.
- 11. The Radiation Safety Officer this permit is **Tammy R. Mulkey, CNMT**.
- 12. Permitted material is only authorized for use by, or under the supervision of:
  - A. Individuals permitted to work as an authorized user and/or authorized nuclear pharmacist in accordance with 10 CFR 35.13 and 35.14.
  - B. The following individuals are authorized users for the materials and uses indicated:

Authorized User

Keith Y. Kohatsu, M.D.  
 Jose A. Lauderman, M.D.

Material and Use

35.100, 35.200, 35.500  
 35.100, 35.200, 35.500

**DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER  
DURHAM, NORTH CAROLINA**

**RADIOACTIVE MATERIAL AUTHORIZATION**

- |   |  |
|---|--|
| 1. Authorized User:<br>R. Edward Coleman, M.D.<br>Michael W. Hanson, M.D.<br>Salvador Borges-Neto, M.D.<br>Terrence Z. Wong, M.D., Ph.D.<br>Bennett Bing Chin, M.D. | 2. Authorization No.<br>104 (RV2)      |
| 3. Locations:<br>Nuclear Medicine, all clinical areas<br>of the Medical Center,   | 4. Expiration Date:<br>August 31, 2008 |
- 
- |   |   |   |
|---|---|---|
| 5. Radioactive Material:  | 6. Possession Limit:  | 7. Use  |
| A. Any radionuclide identified in 10CFR35.100   | A. As needed  | A. Medical use identified in 10CFR35.100      |
| B. Any radionuclide identified in 10CFR35.200   | B. As needed  | B. Medical use identified in 10CFR35.200      |
| C. Any radionuclide identified in 10CFR35.300<br>with half-life less than 120 days except Iodine-131. | C. As needed, not to exceed<br>100 millicuries per container. | C. Medical use identified in 10CFR35.300      |
| D. Iodine-131   | D. 1.5 curies   | D. Medical use identified in 10CFR35.300      |
| E. Any radionuclide with atomic numbers 1 - 83  | E. 50 millicuries   | E. Medical research                           |
| F. Gadolinium-153   | F. 1 Curie total/<br>300 millicuries per source               | F. Sealed source for use with<br>gamma camera |
| G. Cesium-137   | G. 120 millicuries total/<br>30 millicuries per source        | G. Sealed source for use with<br>gamma camera |
| H. Depleted Uranium   | H. 100 pounds   | H. Shielding in Cs-137 device above           |
- 

8. Conditions:
- A. Radioactive material shall be used under the direct supervision of those named above in 1.
  - B. Radioactive material shall be possessed and used in accordance with statements, representations and procedures contained in application dated June 4, 2003, and manual entitled "Department of Veterans Affairs Medical Center Radiation Safety Manual"
  - C. Individuals utilizing radioactive iodine shall have thyroid monitoring performed in accordance with Section IV, page 9, "Department of Veterans Affairs Medical Center Radiation Safety Manual."

8/28/03 ORIGINAL SIGNED & SENT TO AU

Date

Radiation Safety Officer  
WALTER L. FURR, III

Chairman, MRRC Committee  
JOHN D. SHELburne, M.D., Ph.D.

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

3/25/2008, and to inform you that the initial processing which includes an administrative review has been performed.

☒ AMEND. 47-25570-01  
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** 142278.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.



U.S.N.R.C.  
Region I  
475 Allendale Road  
King of Prussia, PA 19406

03035774

3/29/08

RE: License # 47-25570-01

To Whom It May Concern:

Please amend our radioactive materials license as follows:

1. Add two new physician authorized users to the license for materials identified in 10 CFR 35.200. These physicians are identified as authorized users on the VA Medical Center License, Beckley WV #47-5696-01. A copy of this document is attached for reference.
  - a. Rajendra P. Valiveti , MD
  - b. Enrico J. Cappiello , MD

Sincerely,

A handwritten signature in black ink, appearing to read 'Sharon L. Long'.

Sharon L. Long  
Alliance Imaging Radiation Safety Officer

142278

NMSS/RCN1 MATERIALS-002

## Department of Veterans Affairs

MATERIALS PERMIT		Amendment No. 31
Page 1 of 3 pages		
In accordance with VHA Directive 1105.1 and reliance on statements made by the applicant, permission is hereby granted to receive, possess, transfer, and store radioactive materials listed below, and to use this material for the purpose and at the places listed below.		
<b>Permittee</b> 1. VA Medical Center 2. 200 Veterans Avenue Beckley, West Virginia 25801	3. In accordance with your request of October 30, 2007, Permit Number 47-15896-01 is amended to read as follows: 4. Expiration date: August 31, 2015 5. Docket or Reference Number: 030-09762	

- |   |   |  |
|---|---|--|
| 6. Byproduct, source, and/or special nuclear material:<br><br>A. Any byproduct material permitted by 10 CFR 35.100<br><br>B. Any byproduct material permitted by 10 CFR 35.200<br><br>C. Gadolinium 153 permitted by 10 CFR 35.500<br><br>D. Depleted uranium | 7. Chemical and/or physical form:<br><br>A. Any<br><br>B. Any | 8. Maximum amount permittee may possess at any one time under this permit:<br><br>A. As needed<br><br>B. As needed<br><br>C. 11.1 Gg (300 millicuries) per source and 37 GBq (1 curie) total |
|---|---|--|

## 9. Authorized use:

- A. Any use permitted by 10 CFR 35.100, 35.200, 35.500, 35.600, 35.610, 35.620, 35.630, 35.640, 35.650, 35.660, 35.670, 35.680, 35.690, 35.700, 35.710, 35.720, 35.730, 35.740, 35.750, 35.760, 35.770, 35.780, 35.790, 35.800, 35.810, 35.820, 35.830, 35.840, 35.850, 35.860, 35.870, 35.880, 35.890, 35.900, 35.910, 35.920, 35.930, 35.940, 35.950, 35.960, 35.970, 35.980, 35.990, 35.1000, 35.1010, 35.1020, 35.1030, 35.1040, 35.1050, 35.1060, 35.1070, 35.1080, 35.1090, 35.1100, 35.1110, 35.1120, 35.1130, 35.1140, 35.1150, 35.1160, 35.1170, 35.1180, 35.1190, 35.1200, 35.1210, 35.1220, 35.1230, 35.1240, 35.1250, 35.1260, 35.1270, 35.1280, 35.1290, 35.1300, 35.1310, 35.1320, 35.1330, 35.1340, 35.1350, 35.1360, 35.1370, 35.1380, 35.1390, 35.1400, 35.1410, 35.1420, 35.1430, 35.1440, 35.1450, 35.1460, 35.1470, 35.1480, 35.1490, 35.1500, 35.1510, 35.1520, 35.1530, 35.1540, 35.1550, 35.1560, 35.1570, 35.1580, 35.1590, 35.1600, 35.1610, 35.1620, 35.1630, 35.1640, 35.1650, 35.1660, 35.1670, 35.1680, 35.1690, 35.1700, 35.1710, 35.1720, 35.1730, 35.1740, 35.1750, 35.1760, 35.1770, 35.1780, 35.1790, 35.1800, 35.1810, 35.1820, 35.1830, 35.1840, 35.1850, 35.1860, 35.1870, 35.1880, 35.1890, 35.1900, 35.1910, 35.1920, 35.1930, 35.1940, 35.1950, 35.1960, 35.1970, 35.1980, 35.1990, 35.2000, 35.2010, 35.2020, 35.2030, 35.2040, 35.2050, 35.2060, 35.2070, 35.2080, 35.2090, 35.2100, 35.2110, 35.2120, 35.2130, 35.2140, 35.2150, 35.2160, 35.2170, 35.2180, 35.2190, 35.2200, 35.2210, 35.2220, 35.2230, 35.2240, 35.2250, 35.2260, 35.2270, 35.2280, 35.2290, 35.2300, 35.2310, 35.2320, 35.2330, 35.2340, 35.2350, 35.2360, 35.2370, 35.2380, 35.2390, 35.2400, 35.2410, 35.2420, 35.2430, 35.2440, 35.2450, 35.2460, 35.2470, 35.2480, 35.2490, 35.2500, 35.2510, 35.2520, 35.2530, 35.2540, 35.2550, 35.2560, 35.2570, 35.2580, 35.2590, 35.2600, 35.2610, 35.2620, 35.2630, 35.2640, 35.2650, 35.2660, 35.2670, 35.2680, 35.2690, 35.2700, 35.2710, 35.2720, 35.2730, 35.2740, 35.2750, 35.2760, 35.2770, 35.2780, 35.2790, 35.2800, 35.2810, 35.2820, 35.2830, 35.2840, 35.2850, 35.2860, 35.2870, 35.2880, 35.2890, 35.2900, 35.2910, 35.2920, 35.2930, 35.2940, 35.2950, 35.2960, 35.2970, 35.2980, 35.2990, 35.3000, 35.3010, 35.3020, 35.3030, 35.3040, 35.3050, 35.3060, 35.3070, 35.3080, 35.3090, 35.3100, 35.3110, 35.3120, 35.3130, 35.3140, 35.3150, 35.3160, 35.3170, 35.3180, 35.3190, 35.3200, 35.3210, 35.3220, 35.3230, 35.3240, 35.3250, 35.3260, 35.3270, 35.3280, 35.3290, 35.3300, 35.3310, 35.3320, 35.3330, 35.3340, 35.3350, 35.3360, 35.3370, 35.3380, 35.3390, 35.3400, 35.3410, 35.3420, 35.3430, 35.3440, 35.3450, 35.3460, 35.3470, 35.3480, 35.3490, 35.3500, 35.3510, 35.3520, 35.3530, 35.3540, 35.3550, 35.3560, 35.3570, 35.3580, 35.3590, 35.3600, 35.3610, 35.3620, 35.3630, 35.3640, 35.3650, 35.3660, 35.3670, 35.3680, 35.3690, 35.3700, 35.3710, 35.3720, 35.3730, 35.3740, 35.3750, 35.3760, 35.3770, 35.3780, 35.3790, 35.3800, 35.3810, 35.3820, 35.3830, 35.3840, 35.3850, 35.3860, 35.3870, 35.3880, 35.3890, 35.3900, 35.3910, 35.3920, 35.3930, 35.3940, 35.3950, 35.3960, 35.3970, 35.3980, 35.3990, 35.4000, 35.4010, 35.4020, 35.4030, 35.4040, 35.4050, 35.4060, 35.4070, 35.4080, 35.4090, 35.4100, 35.4110, 35.4120, 35.4130, 35.4140, 35.4150, 35.4160, 35.4170, 35.4180, 35.4190, 35.4200, 35.4210, 35.4220, 35.4230, 35.4240, 35.4250, 35.4260, 35.4270, 35.4280, 35.4290, 35.4300, 35.4310, 35.4320, 35.4330, 35.4340, 35.4350, 35.4360, 35.4370, 35.4380, 35.4390, 35.4400, 35.4410, 35.4420, 35.4430, 35.4440, 35.4450, 35.4460, 35.4470, 35.4480, 35.4490, 35.4500, 35.4510, 35.4520, 35.4530, 35.4540, 35.4550, 35.4560, 35.4570, 35.4580, 35.4590, 35.4600, 35.4610, 35.4620, 35.4630, 35.4640, 35.4650, 35.4660, 35.4670, 35.4680, 35.4690, 35.4700, 35.4710, 35.4720, 35.4730, 35.4740, 35.4750, 35.4760, 35.4770, 35.4780, 35.4790, 35.4800, 35.4810, 35.4820, 35.4830, 35.4840, 35.4850, 35.4860, 35.4870, 35.4880, 35.4890, 35.4900, 35.4910, 35.4920, 35.4930, 35.4940, 35.4950, 35.4960, 35.4970, 35.4980, 35.4990, 35.5000, 35.5010, 35.5020, 35.5030, 35.5040, 35.5050, 35.5060, 35.5070, 35.5080, 35.5090, 35.5100, 35.5110, 35.5120, 35.5130, 35.5140, 35.5150, 35.5160, 35.5170, 35.5180, 35.5190, 35.5200, 35.5210, 35.5220, 35.5230, 35.5240, 35.5250, 35.5260, 35.5270, 35.5280, 35.5290, 35.5300, 35.5310, 35.5320, 35.5330, 35.5340, 35.5350, 35.5360, 35.5370, 35.5380, 35.5390, 35.5400, 35.5410, 35.5420, 35.5430, 35.5440, 35.5450, 35.5460, 35.5470, 35.5480, 35.5490, 35.5500, 35.5510, 35.5520, 35.5530, 35.5540, 35.5550, 35.5560, 35.5570, 35.5580, 35.5590, 35.5600, 35.5610, 35.5620, 35.5630, 35.5640, 35.5650, 35.5660, 35.5670, 35.5680, 35.5690, 35.5700, 35.5710, 35.5720, 35.5730, 35.5740, 35.5750, 35.5760, 35.5770, 35.5780, 35.5790, 35.5800, 35.5810, 35.5820, 35.5830, 35.5840, 35.5850, 35.5860, 35.5870, 35.5880, 35.5890, 35.5900, 35.5910, 35.5920, 35.5930, 35.5940, 35.5950, 35.5960, 35.5970, 35.5980, 35.5990, 35.6000, 35.6010, 35.6020, 35.6030, 35.6040, 35.6050, 35.6060, 35.6070, 35.6080, 35.6090, 35.6100, 35.6110, 35.6120, 35.6130, 35.6140, 35.6150, 35.6160, 35.6170, 35.6180, 35.6190, 35.6200, 35.6210, 35.6220, 35.6230, 35.6240, 35.6250, 35.6260, 35.6270, 35.6280, 35.6290, 35.6300, 35.6310, 35.6320, 35.6330, 35.6340, 35.6350, 35.6360, 35.6370, 35.6380, 35.6390, 35.6400, 35.6410, 35.6420, 35.6430, 35.6440, 35.6450, 35.6460, 35.6470, 35.6480, 35.6490, 35.6500, 35.6510, 35.6520, 35.6530, 35.6540, 35.6550, 35.6560, 35.6570, 35.6580, 35.6590, 35.6600, 35.6610, 35.6620, 35.6630, 35.6640, 35.6650, 35.6660, 35.6670, 35.6680, 35.6690, 35.6700, 35.6710, 35.6720, 35.6730, 35.6740, 35.6750, 35.6760, 35.6770, 35.6780, 35.6790, 35.6800, 35.6810, 35.6820, 35.6830, 35.6840, 35.6850, 35.6860, 35.6870, 35.6880, 35.6890, 35.6900, 35.6910, 35.6920, 35.6930, 35.6940, 35.6950, 35.6960, 35.6970, 35.6980, 35.6990, 35.7000, 35.7010, 35.7020, 35.7030, 35.7040, 35.7050, 35.7060, 35.7070, 35.7080, 35.7090, 35.7100, 35.7110, 35.7120, 35.7130, 35.7140, 35.7150, 35.7160, 35.7170, 35.7180, 35.7190, 35.7200, 35.7210, 35.7220, 35.7230, 35.7240, 35.7250, 35.7260, 35.7270, 35.7280, 35.7290, 35.7300, 35.7310, 35.7320, 35.7330, 35.7340, 35.7350, 35.7360, 35.7370, 35.7380, 35.7390, 35.7400, 35.7410, 35.7420, 35.7430, 35.7440, 35.7450, 35.7460, 35.7470, 35.7480, 35.7490, 35.7500, 35.7510, 35.7520, 35.7530, 35.7540, 35.7550, 35.7560, 35.7570, 35.7580, 35.7590, 35.7600, 35.7610, 35.7620, 35.7630, 35.7640, 35.7650, 35.7660, 35.7670, 35.7680, 35.7690, 35.7700, 35.7710, 35.7720, 35.7730, 35.7740, 35.7750, 35.7760, 35.7770, 35.7780, 35.7790, 35.7800, 35.7810, 35.7820, 35.7830, 35.7840, 35.7850, 35.7860, 35.7870, 35.7880, 35.7890, 35.7900, 35.7910, 35.7920, 35.7930, 35.7940, 35.7950, 35.7960, 35.7970, 35.7980, 35.7990, 35.8000, 35.8010, 35.8020, 35.8030, 35.8040, 35.8050, 35.8060, 35.8070, 35.8080, 35.8090, 35.8100, 35.8110, 35.8120, 35.8130, 35.8140, 35.8150, 35.8160, 35.8170, 35.8180, 35.8190, 35.8200, 35.8210, 35.8220, 35.8230, 35.8240, 35.8250, 35.8260, 35.8270, 35.8280, 35.8290, 35.8300, 35.8310, 35.8320, 35.8330, 35.8340, 35.8350, 35.8360, 35.8370, 35.8380, 35.8390, 35.8400, 35.8410, 35.8420, 35.8430, 35.8440, 35.8450, 35.8460, 35.8470, 35.8480, 35.8490, 35.8500, 35.8510, 35.8520, 35.8530, 35.8540, 35.8550, 35.8560, 35.8570, 35.8580, 35.8590, 35.8600, 35.8610, 35.8620, 35.8630, 35.8640, 35.8650, 35.8660, 35.8670, 35.8680, 35.8690, 35.8700, 35.8710, 35.8720, 35.8730, 35.8740, 35.8750, 35.8760, 35.8770, 35.8780, 35.8790, 35.8800, 35.8810, 35.8820, 35.8830, 35.8840, 35.8850, 35.8860, 35.8870, 35.8880, 35.8890, 35.8900, 35.8910, 35.8920, 35.8930, 35.8940, 35.8950, 35.8960, 35.8970, 35.8980, 35.8990, 35.9000, 35.9010, 35.9020, 35.9030, 35.9040, 35.9050, 35.9060, 35.9070, 35.9080, 35.9090, 35.9100, 35.9110, 35.9120, 35.9130, 35.9140, 35.9150, 35.9160, 35.9170, 35.9180, 35.9190, 35.9200, 35.9210, 35.9220, 35.9230, 35.9240, 35.9250, 35.9260, 35.9270, 35.9280, 35.9290, 35.9300, 35.9310, 35.9320, 35.9330, 35.9340, 35.9350, 35.9360, 35.9370, 35.9380, 35.9390, 35.9400, 35.9410, 35.9420, 35.9430, 35.9440, 35.9450, 35.9460, 35.9470, 35.9480, 35.9490, 35.9500, 35.9510, 35.9520, 35.9530, 35.9540, 35.9550, 35.9560, 35.9570, 35.9580, 35.9590, 35.9600, 35.9610, 35.9620, 35.9630, 35.9640, 35.9650, 35.9660, 35.9670, 35.9680, 35.9690, 35.9700, 35.9710, 35.9720, 35.9730, 35.9740, 35.9750, 35.9760, 35.9770, 35.9780, 35.9790, 35.9800, 35.9810, 35.9820, 35.9830, 35.9840, 35.9850, 35.9860, 35.9870, 35.9880, 35.9890, 35.9900, 35.9910, 35.9920, 35.9930, 35.9940, 35.9950, 35.9960, 35.9970, 35.9980, 35.9990, 36.0000, 36.0010, 36.0020, 36.0030, 36.0040, 36.0050, 36.0060, 36.0070, 36.0080, 36.0090, 36.0100, 36.0110, 36.0120, 36.0130, 36.0140, 36.0150, 36.0160, 36.0170, 36.0180, 36.0190, 36.0200, 36.0210, 36.0220, 36.0230, 36.0240, 36.0250, 36.0260, 36.0270, 36.0280, 36.0290, 36.0300, 36.0310, 36.0320, 36.0330, 36.0340, 36.0350, 36.0360, 36.0370, 36.0380, 36.0390, 36.0400, 36.0410, 36.0420, 36.0430, 36.0440, 36.0450, 36.0460, 36.0470, 36.0480, 36.0490, 36.0500, 36.0510, 36.0520, 36.0530, 36.0540, 36.0550, 36.0560, 36.0570, 36.0580, 36.0590, 36.0600, 36.0610, 36.0620, 36.0630, 36.0640, 36.0650, 36.0660, 36.0670, 36.0680, 36.0690, 36.0700, 36.0710, 36.0720, 36.0730, 36.0740, 36.0750, 36.0760, 36.0770, 36.0780, 36.0790, 36.0800, 36.0810, 36.0820, 36.0830, 36.0840, 36.0850, 36.0860, 36.0870, 36.0880, 36.0890, 36.0900, 36.0910, 36.0920, 36.0930, 36.0940, 36.0950, 36.0960, 36.0970, 36.0980, 36.0990, 36.1000, 36.1010, 36.1020, 36.1030, 36.1040, 36.1050, 36.1060, 36.1070, 36.1080, 36.1090, 36.1100, 36.1110, 36.1120, 36.1130, 36.1140, 36.1150, 36.1160, 36.1170, 36.1180, 36.1190, 36.1200, 36.1210, 36.1220, 36.1230, 36.1240, 36.1250, 36.1260, 36.1270, 36.1280, 36.1290, 36.1300, 36.1310, 36.1320, 36.1330, 36.1340, 36.1350, 36.1360, 36.1370, 36.1380, 36.1390, 36.1400, 36.1410, 36.1420, 36.1430, 36.1440, 36.1450, 36.1460, 36.1470, 36.1480, 36.1490, 36.1500, 36.1510, 36.1520, 36.1530, 36.1540, 36.1550, 36.1560, 36.1570, 36.1580, 36.1590, 36.1600, 36.1610, 36.1620, 36.1630, 36.1640, 36.1650, 36.1660, 36.1670, 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36.2790, 36.2800, 36.2810, 36.2820, 36.2830, 36.2840, 36.2850, 36.2860, 36.2870, 36.2880, 36.2890, 36.2900, 36.2910, 36.2920, 36.2930, 36.2940, 36.2950, 36.2960, 36.2970, 36.2980, 36.2990, 36.3000, 36.3010, 36.3020, 36.3030, 36.3040, 36.3050, 36.3060, 36.3070, 36.3080, 36.3090, 36.3100, 36.3110, 36.3120, 36.3130, 36.3140, 36.3150, 36.3160, 36.3170, 36.3180, 36.3190, 36.3200, 36.3210, 36.3220, 36.3230, 36.3240, 36.3250, 36.3260, 36.3270, 36.3280, 36.3290, 36.3300, 36.3310, 36.3320, 36.3330, 36.3340, 36.3350, 36.3360, 36.3370, 36.338



<b>MATERIALS PERMIT SUPPLEMENTARY SHEET</b>	Page 2 of 3
	Permit Number: 47-15890-01
	Docket or Reference Number: 030-03782
	Amendment No. 24

Authorized User

Sharat Patel, M.D.

✕ Rajendra P. Vailviti, M.D.

Ungadehalli H. Subhaya, M.D.

✕ Carlos J. Cappella, M.D.

Material and Use

35,100, 35,200, Gadolinium 153, depleted uranium

35,100, 35,200

35,100, 35,200

35,100, 35,200

13. This permit does not authorize commercial distribution of permitted material.

14. Sealed sources containing permitted material shall not be opened or otherwise removed from source holders by the permittee.

15. The permittee is authorized to transport and transfer only in accordance with the provisions of 10 CFR 71. "Packaging and Transportation."

16. In addition to the possession of permitted material, the permittee is authorized to possess or use unsealed byproduct material to the extent specified in 10 CFR 35.202, as specified in 10 CFR 35.202.

17. Incorporation of permitted material into or removal from sealed sources is authorized by 10 CFR 20.2024.

18. A. The permittee shall provide for the security of permitted material by:

- (1) Compliance with regulations per 10 CFR 20.1801 and 10 CFR 20.1802.
- (2) Prevention of adversary or unauthorized removal of, or access to, radioactive materials.
- (3) Use of two delay methods for sealed sources not in use.
- (4) Focus to security commensurate with possible risks of radioactive materials unauthorized use.

D. The permittee shall provide oversight for security of permitted materials by:

- (1) Compliance with regulations per 10 CFR 20.1801 and 10 CFR 20.1802.
- (2) Prevention of adversary or unauthorized removal of, or access to, radioactive materials.
- (3) Use of two delay methods for sealed sources not in use.
- (4) Focus to security commensurate with possible risks of radioactive materials unauthorized use.