

Br 2

March 21, 2011

Mr. Michael Perkins
Licensing
Nuclear Regulatory Commission

Dear Mr. Perkins,

03036175

The Federal Medical Center (FMC) of the Bureau of Prisons at Butner, North Carolina needs to amend NRC Radioactive Material License #32-25613-1 to include Christopher Cepeda, M.D. as an Authorized User (Material and Use: 35;100; 35;200). The original license amendment request to include Dr. Cepeda was submitted on December 8, 2010 (see attached Original Request). Unfortunately Dr. Cepeda was not included in License 32-25613-1 Amendment #3 (see attached License Amendment) because of our failure to include a corresponding North Carolina Radioactive Material License to Durham Regional Hospital (NC 032-0052-1) listing Dr. Cepeda as an Authorized User. Subsequently, the required North Carolina License was obtained submitted (faxed) to the NRC on January 29, 2011 (see attached Add Cepeda Request).

If there are any questions please contact me as soon as possible.

Thank you very much for your assistance.



Daniel D. Sprau, DrPH
Radiation Safety Consultant
Radiology Department
Federal Medical Center
Federal Bureau Prisons
Department of Justice
Butner, NC 28540

919-575-3900 Ext. 5172

574701
NMSS/RGN1 MATERIALS-002



**RADIOACTIVE MATERIALS BRANCH
RADIATION PROTECTION SECTION
N. C. DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES**

RADIOACTIVE MATERIALS LICENSE

Pursuant to North Carolina Regulations for Protection Against Radiation and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer, and import radioactive materials listed below; and use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules and regulations of the North Carolina Department of Environment and Natural Resources now and hereafter in effect and to any conditions specified below.

1. Licensee Name: Duke University Health System, Inc. d/b/a Durham Regional Hospital		3. License No: 032-0052-1		License Type 0120
2a. Mailing Address: 3643 North Roxboro Street Durham, NC 27704		4. Expiration Date: January 31, 2015		
b. Physical Address: 3643 North Roxboro Street Durham, NC 27704		<input type="checkbox"/> New License	<input type="checkbox"/> Routine Administrative	<input type="checkbox"/> Corrected Copy Termination
c. Radiation Safety Officer: Andrew Choi, MD		<input checked="" type="checkbox"/> Renewal		
		5a. Amendment No.: 85		
		b. Issuance Date: January 12, 2011		
6. Radioactive Material (element and mass no.)	7. Chemical and/or Physical Form	8. Maximum Amount of Radioactivity and/or Quantity of Radioactive Material which Licensee May Possess at Any One Time.		
A. Any radioactive material permitted under 15A NCAC 11 .0361(a)	A. Any form	A. As necessary for medical use		
B. Any radioactive material authorized under 15A NCAC 11 .0321(b).	B. Any form as specified in 15A NCAC 11 .0321(b).	B. No single source to exceed the limits specified in 15A NCAC 11 .0321(b).		
9. Authorized Uses:				
A. To be used for the purposes of medical diagnosis and therapy in accordance with a written directive from an authorized user (if applicable).				
B. To be used as check, calibration, transmission, and reference standards.				

CONDITIONS

10. The authorized place of receipt and use of radioactive material is the licensee's address stated in item 2.b. above
11. The licensee shall comply with the provisions of 15A NCAC 11 .1600 "Standards for Protection Against Radiation," and 15A NCAC 11 .1000 "Notices, Instructions, Reports and Inspections," and 15A NCAC 11 .0700 "Use of Sealed Radioactive Sources in the Healing Arts" (when applicable). (The North Carolina Regulations for Protection Against Radiation are contained in 15A NCAC 11.)
12. A. The licensee shall comply with the provision of 15A NCAC 11 .0321 in the procurement and use of radioactive materials authorized in this license.
- B. Radiopharmaceuticals and kits or generators used in their preparation shall be procured from a supplier who manufactures or repackages the product under appropriate pharmaceutical controls related to assay, identity, quality, purity, sterility, and pyrogenicity.
13. The licensee is authorized to receive, acquire, possess, transfer, and use *in vitro* clinical or laboratory testing kits as authorized in 15A NCAC 11 .0314 without filing agency forms as required by 15A NCAC 11 .0314(b), provided that the licensee is subject to the other provisions of 15A NCAC 11 .0314.



**RADIOACTIVE MATERIALS BRANCH
RADIATION PROTECTION SECTION
N. C. DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES**

RADIOACTIVE MATERIALS LICENSE

CONDITIONS (continued):

14. A. Sealed radioactive sources owned or possessed for calibration and reference standards shall be tested for leakage and/or contamination in accordance with 15A NCAC 11.0321(c)
- B. The licensee shall conduct a quarterly physical inventory to account for all sealed sources received and possessed under this license which are used for the calibration/reference of the dose calibrator and patient imaging equipment. Records of the inventories shall be maintained for inspection by the agency and shall include the quantities and kinds of radioactive material, location of the sources, and the date of the inventory.
15. Sealed sources containing radioactive material shall not be opened by the licensee.
16. A. The licensee is hereby authorized to use Molybdenum 99 / Technetium 99m generators for preparing Technetium 99m radiopharmaceuticals in accordance with 15A NCAC 11.0361.
- B. Radioactive materials shall not be used on humans until its pharmaceutical quality and assay have been established.
17. A. Radioactive material for imaging and localization diagnostic studies (15A NCAC 11.0117(a) and 10 CFR 35.200 uses) shall be used by:
- | | | |
|-------------------------------|-------------------------------|-----------------------|
| Kirk Beeson, MD | Samuel Bone, III, MD | Teresa Brown, MD |
| Andrew Choi, MD | Larry M. Crane, MD | Randy Cruell, MD |
| Thomas M. Cunningham, III, MD | John Feole, MD | Hector J. Hidalgo, MD |
| C. Bryan Koon, MD | James Lester, MD | Stephen Loehr, MD |
| Michael E. McCrory, MD | Ashley Grant Merritt, MD | Hal Safrit, MD |
| John P. Thompson, MD | Diana R. Voorhes, MD | Daniel E. Wertman, MD |
| David Weiner, MD | J. Robert Yaakes, MD | Hemang J. Pathak, MD |
| Amur M. Amaresh, MD | * Christopher M. Capeda, MD * | |
- B. Radioactive material for the therapeutic use of quantities of I-131 less than or equal to 33mCi (1.22GBq) in unsealed form (15A NCAC 11.0117(a) and 10 CFR 35.392 uses) shall be used by:
- | | | |
|-----------------|------------------|------------------|
| Kirk Beeson, MD | Teresa Brown, MD | Randy Cruell, MD |
|-----------------|------------------|------------------|
- C. Radioactive material for the therapeutic use of quantities of I-131 greater than 33mCi (1.22GBq) in unsealed form (15A NCAC 11.0117(a) and 10 CFR 35.394 uses) shall be used by:
- | | |
|------------------|------------------|
| Teresa Brown, MD | Randy Cruell, MD |
|------------------|------------------|
- D. Notwithstanding A., through C., above:
- Physicians authorized for the use of radioactive material for imaging and localization diagnostic studies are also authorized to use radioactive material for uptake, dilution and excretion diagnostic studies.
 - Physicians authorized for the therapeutic use of radioactive material are also authorized for the use of radioactive material for imaging and localization diagnostic studies and uptake, dilution and excretion diagnostic studies provided the physicians have training in the elution of generators, assaying the eluate for radiological purity, the preparation of radiopharmaceuticals from kits, and the administration of radiopharmaceuticals for diagnostic purposes to humans.
 - Physicians authorized for the therapeutic use of quantities of I-131 greater than 33mCi (1.22GBq) in unsealed form are also authorized to use therapeutic use of quantities of I-131 less than 33mCi (1.22GBq) in unsealed form.
- E. The Radiation Safety Officer for the activities authorized by this license shall be Andrew Choi, MD.
18. For a period not to exceed 60 days in any calendar year, a visiting physician is authorized to use the radioactive material under the terms of this license provided the physician:
- A. Has prior written permission of the hospital administrator and its Radiation Safety Committee; and



**RADIOACTIVE MATERIALS BRANCH
RADIATION PROTECTION SECTION
N. C. DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES**

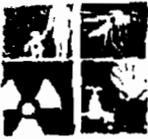
RADIOACTIVE MATERIALS LICENSE

CONDITIONS (continued):

- 18. B. Is specifically named as a user on a N.C. Department of Environment and Natural Resources license, another Agreement State license, US NRC license authorizing use, or is registered as a Qualified Expert with the State of North Carolina pursuant to 15A NCAC 11 .0205; and
- C. Performs only those procedures for which specifically authorized by a license listed in 18. B. above.
- 19. Radioactive materials shall not be used on humans without the prior approval (if applicable), in accordance with the provisions of 15A NCAC 11 .0356 from an authorized user who is either listed in or satisfies the requirements of Condition No. 17. above, or by a visiting physician who satisfies the requirements of Condition No. 18. above.
- 20. The licensee is authorized to conduct a decay-in-storage program in accordance with 15A NCAC 11 .0362.
- 21. The licensee shall perform surveys of all areas where radioactive materials and/or radiopharmaceuticals are used, prepared, administered, and/or stored in accordance with 15A NCAC 11 .0360.
- 22. A. The licensee shall establish written procedures for performing use and calibration of dose calibrator(s) used to determine the quantity and quality of radiopharmaceuticals in accordance with 15A NCAC 11 .0359
- B. Records of the results of the tests outlined in Condition A. above shall be maintained for a minimum of three (3) years following the completion of the test for inspection by the agency.
- 23. In addition to the possession limits in Item 8 above, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 15A NCAC 11 .0353 for establishing decommissioning financial assurance.
- 24. The licensee shall annually review its Radiation Protection Program for content and implementation [Reference 15A NCAC 11 .1603(c)]. Documentation of the Radiation Protection Program reviews shall be retained for inspection by the agency [Reference: 15A NCAC 11 .1636].
- 25. The licensee shall institute the provisions of 15A NCAC 11 .1610 when an occupationally exposed woman voluntarily informs her supervisor, in writing, of the pregnancy and the estimated date of conception.
- 26. The licensee shall ensure that no individual "member of the public" [Reference: 15A NCAC 11 .0104(81)] receives a radiation dose in excess of the limits specified in 15A NCAC 11 .1611(a) while conducting licensed activities.
- 27. In addition to the possession limits referenced in Item 8. above, the licensee shall further restrict possession of radionuclides listed in the table below to the quantities noted within the table. Sum of fractions for the radionuclides listed below shall not exceed unity:

Radionuclide	Quantity (curies)	Radionuclide	Quantity (curies)
Am-241	16	Pm-147	10,800
Am-241:Be	16	Pu-238	16
Cf-252	5.4	Pu-239:Be	16
Cm-244	13.5	Ra-226	10.8
Co-60	8.1	Se-75	54
Cs-137	27	Sr-90 (Y-90)	270
Gd-153	270	Tm-170	5,400
Ir-192	21.6	Yb-169	81

- 28. Neither this license nor any subsequent amendments shall be deemed to constitute compliance with the requirements for health planning review contained in the Certificate of Need Statute, G.S. 131-175 *et seq.*, and regulations promulgated pursuant to that statute. Inquiries concerning the Certificate of Need Statute should be addressed to the Certificate of Need Section of the Division of Health Service Regulation at (919) 855-3883.



Division of Environmental Health

**RADIOACTIVE MATERIALS BRANCH
RADIATION PROTECTION SECTION
N. C. DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES**

RADIOACTIVE MATERIALS LICENSE

CONDITIONS (continued):

- 29. This license may be subject to amendment, revision, modification, suspension, or revocation in accordance with the provisions of 15A NCAC 11 .0344.
- 30. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6., 7., and 8. of this license in accordance with statements, representations and procedures and attachments listed below. The *North Carolina Regulations for Protection Against Radiation* shall govern, unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
 - A. Application with attachments dated December 18, 2009, signed by Kerry R. Watson, CEO, and a phone conversation with Cynthia Franklin, CNMT, Assistant Radiology Director dated December 31, 2009.
 - B. Application for Amendment with attachments dated January 6, 2011, signed by Cynthia Franklin, Nuclear Medicine Manager.

For: W. Lee Cox, III
Chief, Radiation Protection Section

NRC FORM 313
(3-2009)
10 CFR 30, 32, 33,
34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 3/31/2012

APPLICATION FOR MATERIALS LICENSE

Estimated burden per response to comply with this mandatory collection request: 4.3 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.resource@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:

OFFICE OF FEDERAL & STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS
DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

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

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, 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

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, 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
612 E. LAMAR BOULEVARD, SUITE 400
ARLINGTON, TX 76011-4125

03036175

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 32-29613-01
322561301 real
- C. RENEWAL OF LICENSE NUMBER

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

Department of Justice
Federal Bureau of Prisons
Federal Medical Center
P.O. Box 1500

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Radiology Department
Federal Medical Center
Butner, North Carolina 28540

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Daniel Sprau, DrPH - Radiation Safety Consultant

TELEPHONE NUMBER

(919) 575-3900

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.

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

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

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

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

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

FEE CATEGORY **Med. Amend.** AMOUNT ENCLOSED **\$ 0.00**

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

Sarah Revell, Warden

SIGNATURE

DATE

12/6/10

FOR NRC USE ONLY

TYPE OF FEE FEE LOG FEE CATEGORY AMOUNT RECEIVED CHECK NUMBER COMMENTS

\$

APPROVED BY

DATE

574129

Amendment Request for NRC Radioactive Material License #32-25613-01

Please **add** the following physicians to RAM License #32-25613-01 as Authorized Users. All are Board Certified in Diagnostic Radiology and are currently listed on the Durham Regional Hospital North Carolina Radioactive Material License #032-0052-1.

<u>Authorized User</u>	<u>Material and Use</u>
Donn K. Beeson, M.D.	35.100; 35.200; iodine-131 sodium iodide imaging/localization
Samuel Bone, M.D.	35.100; 35.200; iodine-131 sodium iodide imaging/localization
Ashley Merritt, M.D.	35.100; 35.200; iodine-131 sodium iodide imaging/localization
Christopher Cepeda, M.D.	35.100; 35.200; iodine-131 sodium iodide imaging/localization

Also, please **remove** the following physicians from the Authorized Users List 11.B.:

Teresa Brown, M.D.
Cynthia Gilbert, M.D.
Maroon Khoury, M.D.
George Paddison, M.D.
Daniel Wertman, M.D.
Stephen Loehr, M.D.
John Feole, M.D.
Larry Crane, M.D.
Yan Gao, M.D.
Crawford Coon, M.D.
Michael McCrory, M.D.
Mary Phillips, M.D.
Diana Voorhees, M.D.
Joseph Yankes, Jr., M.D.

The final list of Authorized Users should include all of the following;

Donn K. Beeson, M.D.

Samuel Bone, M.D.

Christopher Cepeda, M.D.

Andrew Choi, M.D.

Randy Cruell, M.D.

Hector Hidalgo, M.D.

James W. Lester, Jr., M.D.

Ashley Merritt, M.D.

Hemang Pathak, M.D.

Hal Safrit, M.D.

John Thompson, M.D.

M. David Wiener, M.D.

Christopher T. Coughlin, M.D.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

HECTOR BERMUDEZ
404-997-4734

cell

January 28, 2011

Docket No. 03036175
Control No. 574129

License No. 32-25613-01

Ms. Sarah Revell
Warden
Department of Justice
Federal Bureau of Prisons
Federal Medical Center
P.O. Box 1500
Butner, NC 27509

SUBJECT: DEPARTMENT OF JUSTICE, LICENSE AMENDMENT, CONTROL NO. 574129

Dear Ms. Revell:

This refers to your license amendment request. Enclosed with this letter is the amended license. Please note that we are unable to add Christopher Cepeda, M.D. as an authorized user. This decision was made based on a review of the documents provided. Specifically, the American Board of Radiology certificate did not possess the word "AU eligible" above the ABR seal, as required by 10 CFR 35.290, nor was he listed as an authorized user on the Durham Regional Hospital license. Should you wish to add Dr. Cepeda to your license in the future, please submit an NRC Form 313(AUD), with the following completed:

1. Part I, Item 3a. and 3.b. and
2. Part II, Sections 1 (Training and Education Pathway) and Section 2.

Conversely, you may submit a current copy of an NRC or Agreement State license that lists Dr. Cepeda as an authorized user.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).

Current NRC regulations and guidance are included on the NRC's website at www.nrc.gov; select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material**; then **Regulations, Guidance, and Communications**. You may also obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-866-512-1800. The GPO is open from 7:00 a.m. to 6:30 p.m. EST, Monday through Friday (except Federal holidays).

S. Revell

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Thank you for your cooperation.

Sincerely,

Original signed by Tara L. Weidner
Héctor Bermúdez
Senior Health Physicist
Medical Branch
Division of Nuclear Materials Safety

Enclosure:
Amendment No. 3

cc:
Christopher T. Coughlin, M.D., Radiation Safety Officer

U.S. NUCLEAR REGULATORY COMMISSION

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.

<p>Licensee</p> <p>1. Department of Justice Federal Bureau of Prisons Federal Medical Center</p> <p>2. P.O. Box 1500 Butner, North Carolina 27509</p>	<p>In accordance with the application dated December 8, 2010,</p> <p>3. License number 32-25613-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date February 28, 2013</p> <p>5. Docket No. 030-36175 Reference No.</p>	
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.100</p> <p>B. Any byproduct material permitted by 10 CFR 35.200</p> <p>C. Any byproduct material permitted by 10 CFR 35.300</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As needed</p> <p>B. As needed</p> <p>C. 400 millicuries</p>
<p>9. Authorized use:</p> <p>A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.</p> <p>B. Any imaging and localization study permitted by 10 CFR 35.200.</p> <p>C. Any diagnostic study or therapy procedure permitted by 10 CFR 35.300.</p>		

CONDITIONS

- 10. Licensed material may be used or stored only at the licensee's facilities located at Old North Carolina Highway 75, Butner, North Carolina.
- 11. The Radiation Safety Officer for this license is Christopher T. Coughlin, M.D.
- 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.

Duplicate *Duplicate*

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
32-25613-01 *Duplicate*

Docket or Reference Number
030-36175

Amendment No. 3

B. The following individuals are authorized users for medical use as indicated:

<u>Authorized Users</u>	<u>Material and Use</u>
Donn Kirk Beeson, M.D.	35.100; 35.200
Samuel Bone, III, M.D.	35.100; 35.200
Andrew Choi, M.D.	35.100; 35.200; Iodine-131 sodium iodide for imaging and localization.
Randy Cruell, M.D.	35.100; 35.200; Iodine-131 sodium iodide for imaging and localization.
Hector Hidalgo, M.D.	35.100; 35.200; Iodine-131 sodium iodide for imaging and localization.
James W. Lester, Jr., M.D.	35.100; 35.200; Iodine-131 sodium iodide for imaging and localization.
Ashley Grant Merritt, M.D.	35.100; 35.200
Hemang Pathak, M.D.	35.100; 35.200; Iodine-131 sodium iodide for imaging and localization.
Hal Safrit, M.D.	35.100; 35.200; Iodine-131 sodium iodide for imaging and localization.
John Thompson, M.D.	35.100; 35.200; Iodine-131 sodium iodide for imaging and localization.
M. David Wiener, M.D.	35.100; 35.200; Iodine-131 sodium iodide for imaging and localization.
Christopher T. Coughlin, M.D.	35.300

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." *Duplicate*

Duplicate

Duplicate

License Number
32-25613-01*

Duplicate

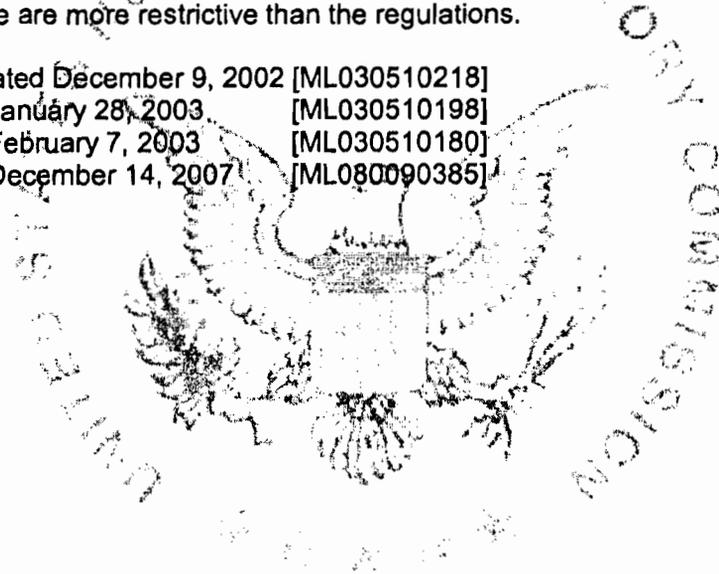
**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

Docket or Reference Number
030-36175

Amendment No. 3

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 December 9, 2002 [ML030510218]
- B. Letter dated January 28, 2003 [ML030510198]
- C. Letter dated February 7, 2003 [ML030510180]
- D. Letter dated December 14, 2007 [ML080090385]



For the U.S. Nuclear Regulatory Commission

Date January 28, 2011

By *Original signed by Tara L. Weidner*

Tara L. Weidner
Medical Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406

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

3/21/2011, and to inform you that the initial processing which includes an administrative review has been performed.

AMGWD, 32-25613-01
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** 574701.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)
(6-96)

Sincerely,
Licensing Assistance Team Leader