



LANDER REGIONAL HOSPITAL

Medical Center
1320 Bishop Randall Drive
Lander, Wyoming 82520
307.332.4420

RECEIVED

18 December 2008

DEC 29 2008

U.S. Nuclear Regulatory Commission, Region IV
Nuclear Materials Licensing Section
611 Ryan Plaza Drive, Suite 400
Arlington Texas 76011-8064

DNMS

License: 49-17813-01

To Whom It May Concern:

Please remove Dr. Scott, Petty as an authorized user on the Lander Valley Medical Center NRC license. Please add Dr. Lawrence Blinn training and experience is found on the attached NCDENR N.C. Department of Environment and Natural Resources Radioactive Material License.

Please contact Dr. Perry, Cook (RSO) at (307-335-6250) if you have any questions regarding the enclosed information

Sincerely,

Phil Eaton
CEO

Lander Regional Hospital



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

Page 3 of 5
License No.: 011-0091-6

RADIOACTIVE MATERIALS LICENSE

CONDITIONS (continued):

17. A. Radioactive material listed in Subitems A. through J. of Items 6., 7., 8., and 9. above shall be used by

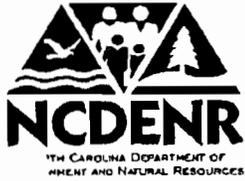
Jeffrey G. Adams, M.D.
Charles T. Rowe, M.D.
Thomas M. Hartmann, M.D.
Simon D. Braun, M.D.
Janet B. Garrett, M.D.
Stephen S. Arendale, M.D.
David T. Milton, M.D.
Walter J. Brown, M.D.
Jonas H. Goldstein, M.D.
John F. Ende, M.D.
Joseph M. Gettys, M.D.
Robert C. Youngblood, M.D.

Robert M. Boerner, M.D.
Neil P. Peterson, M.D.
Henri L. G. Keiffer, M.D.
Frank S. Jagoda, M.D.
Constantino D. Cona, M.D.
James A. Shivers, M.D.
Keith R. Olbrantz, M.D.
Toni L. Meador, M.D.
Timothy P. Desmond, M.D.
James R. Field, M.D.
William F. Marx, M.D.

Timothy J. Gallagher, M.D.
Norris W. Crigler, M.D.
Lawrence A. Blinn, M.D.
Helen H. Wiest, M.D.
Robert R. Weast, M.D.
James H. Montgomery, M.D.
David E. Moore, M.D.
Toby C. Cole, Jr., M.D.
Bryon A. Dickerson, M.D.
Sheri W. Fleeman, M.D.
John G. Short, M.D.

and other physicians who: (1) either have a certification as outlined in Condition B below, or have been previously named as an authorized user on a North Carolina Radioactive Materials License; (2) have been approved, in writing, by both the Radiation Safety Committee and the Radiation Safety Officer; (3) are licensed to practice medicine in the State of North Carolina; and (4) perform only those procedures for which the certification applies or the procedures the prospective user was approved to perform under the previous license. Users who do not meet the requirements of this paragraph must be approved by the Radiation Protection Section and named on the license prior to their first use of radioactive material under this license.

- B. 1. To be named by the licensee as a user for uptake, dilution, excretion, imaging or localization studies, a prospective user must be certified as described in either 5a, c, e, or h below;
2. To be named by the licensee as a user for unsealed byproduct material, a prospective user must be certified as described in either 5a, b, d, or f below;
3. To be named by the licensee as a user for brachytherapy sources or teletherapy, the prospective user must be certified as described in either 5d or g below;
4. To be named by the licensee as a user for I-125, Am-241, or Gd-153 as a sealed source in a device for bone mineral analysis or I-125 as a sealed source in a portable imaging device for diagnosis, the prospective user must be certified as described in 5d, e, or h below.
5. Certifying agencies and certifications:
- a. American Board of Nuclear Medicine (in nuclear medicine);
 - b. American Board of Nuclear Medicine;
 - c. American Board of Radiology (in diagnostic radiology);
 - d. American Board of Radiology (in radiology, therapeutic radiology, or radiation oncology);
 - e. American Osteopathic Board of Radiology (in diagnostic radiology or radiology);
 - f. American Osteopathic Board of Radiology (after 1984);
 - g. American Osteopathic Board of Radiology (in radiation oncology);
 - h. American Osteopathic Board of Nuclear Medicine (in nuclear medicine).
- C. The licensee shall maintain a record of the certificate from the certifying organization or a copy of the previous license, the written approvals of the Radiation Safety Committee and the Radiation Safety Officer, records indicating date(s) each physician first assumes the duties of an authorized user at the licensee's facility, and other supporting documentation as required by the agency.
- D. The licensee shall maintain records specified by Condition C. above for a minimum of two (2) years after the physician leaves the employment of the licensee.



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

Page 4 of 5
License No.: 011-0091-6

RADIOACTIVE MATERIALS LICENSE

CONDITIONS (continued):

17.
 - E. Radioactive material listed in Subitems K. & L. of Items 6., 7., 8., and 9. above shall only be used by or under the supervision of Jack Tarleton, Ph.D.
 - F. Radioactive Materials for cardiac studies only, shall be used by or under the supervision of Chang S. Lim, M.D., Benjamin H. Trichon, M.D., William Hathaway, M.D. and Rhonda B. Brosnan, M.D.
 - G. The Radiation Safety Officer for the activities authorized by this license shall be Travis L. White, MS.
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
 - B. Is specifically named as a user on a N.C. Department of Environment and Natural Resources license authorizing use; and
 - C. Performs only those procedures for which specifically authorized by a N.C. Department of Environment and Natural Resources license.
19. Radioactive materials shall not be used on humans without the prior approval, 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. Provided that the licensee has been authorized in Items 6., 7., 8., & 9. of this license for the use of agency approved radioactive gases, gases-in-solution, or aerosols, the licensee shall:
 - A. Procure radioactive gases as free gas or gas-in-solution, to be administered to humans, from a supplier who distributes the product in accordance with the Federal Food, Drug, and Cosmetic Act.
 - B. Comply with the applicable provisions of 15A NCAC 11 .0361(e)(1) - (5).
21. The licensee is authorized to conduct a decay-in-storage program in accordance with 15A NCAC 11 .0362.
22. 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.
23.
 - A. The licensee shall establish written procedures for performing the following tests on dose calibrator(s) used to determine the quantity and quality of radiopharmaceuticals:
 1. Geometric variation to be performed upon installation and following repair.
 2. Accuracy to be performed upon installation and at intervals not to exceed one (1) year and following repair.
 3. Linearity to be performed upon installation and at intervals not to exceed three (3) months and following repair:
 - a. The dose calibrator shall be tested for linearity from the highest dosage administered to a patient down to 30 microcurie,
 - b. The licensee may use a commercially available attenuator set for performing linearity tests of his dose calibrator provided that the current manufacturer instructions are followed.
 4. Constancy to be performed daily and following repair.



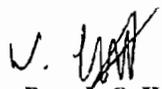
RADIOACTIVE MATERIALS BRANCH
RADIATION PROTECTION SECTION
N. C. DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

Page 5 of 5
License No.: 011-0091-6

RADIOACTIVE MATERIALS LICENSE

CONDITIONS (continued):

23. 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.
- C. The licensee shall mathematically correct dosage readings for any geometry or linearity error that exceeds 10 percent if the dosage is greater than 10 microcuries (0.37 MBq) and shall repair or replace the dose calibrator if the accuracy or constancy error exceeds 10 percent.
24. 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.
25. 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].
26. 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.
27. The licensee shall ensure that no individual "member of the public" [Reference: 15A NCAC 11 .0104(64)] receives a radiation dose in excess of the limits specified in 15A NCAC 11 .1611(a) while conducting licensed activities.
28. Neither this license nor any subsequent amendments shall be deemed to constitute compliance with the requirements for health planning 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, Division of Facility Services at (919) 855-3873.
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 June 28, 2005, signed by David Spillers, Chief Operations Officer, facsimile with attachments dated October 26, 2005, from Michael Bidy and letter dated December 9, 2005 signed by David Spillers, Chief Operations Officer.
 - B. Application for Amendment with attachments dated May 25, 2006, signed by James A. Miller, Vice President.
 - C. Application for Amendment dated May 3, 2007, signed by Travis White, R.S.O.
 - D. Application for Amendment with attachments dated February 11, 2008, signed by Travis White, RSO.


For: Beverly O. Hall

Chief, Radiation Protection Section



**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.

<p>1. Licensee Name: Memorial Mission Hospital, Inc. D/b/a Mission Hospitals</p> <p>2a. Mailing Address: 509 Biltmore Avenue Asheville, NC 28801</p> <p>b. Physical Address: 509 Biltmore Avenue Asheville, NC 28801</p> <p>c. Radiation Safety Officer: Travis L. White, MS</p>	<p>3. License No: 011-0091-6</p> <p>4. Expiration Date: July 31, 2010</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">New License</td> <td style="width: 5%;"><input checked="" type="checkbox"/></td> <td style="width: 25%;">Routine Administrative</td> <td style="width: 5%;"><input type="checkbox"/></td> <td style="width: 40%;">Corrected Copy Termination</td> </tr> <tr> <td>Renewal</td> <td><input type="checkbox"/></td> <td></td> <td></td> <td></td> </tr> </table> <p>5.a. Amendment No.: 7</p> <p>b. Issuance Date: February 14, 2008</p>	New License	<input checked="" type="checkbox"/>	Routine Administrative	<input type="checkbox"/>	Corrected Copy Termination	Renewal	<input type="checkbox"/>				<p>License Type 0120</p>
New License	<input checked="" type="checkbox"/>	Routine Administrative	<input type="checkbox"/>	Corrected Copy Termination								
Renewal	<input type="checkbox"/>											

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 listed in Groups I – IV in DRP Publication 97-01	A. Any radiopharmaceutical listed in Groups I – IV in DRP Publication 97-01, except in the form of gases, gases in solution, and aerosols	A. As necessary for uses authorized in 9.A., Groups I – IV.
Any radioactive material authorized under 15A NCAC 11 .0321(c)(5).	B. Any form as specified in 15A NCAC 11 .0321(c)(5)(A) – (D).	B. No single source to exceed the limits specified in 15A NCAC 11 .0321(c)(5)(A) – (D).
C. Technetium 99m	C. Liquid	C. As needed
D. Cobalt 57	D. Sealed Sources	D. No single source to exceed 25 millicuries.
E. Gadolinium 153	E. Sealed Sources	E. 1 curie
F. Xenon 133	F. Gas or gas-in-solution	F. 1 curie
G. Iodine 131	G. Sodium iodide	G. 750 millicuries
H. Iodine 131	H. Tositumomab (Bexxar)	H. 750 millicuries
I. Yttrium 90	I. Ibritumomab tiuxetan (Zevalin®)	I. 35 millicuries
J. Indium 111	J. Ibritumomab tiuxetan (Zevalin®)	J. 35 millicuries
K. Phosphorus 32	K. Deoxycytidine triphosphate	K. 1 millicurie
L. Iodine 123	L. MIBG	L. As needed

9. Authorized Use:

- To be used in accordance with a written directive from an authorized user authorized by this license.
- B. – E. To be used as calibration and reference standards.
- F. - J. To be used in accordance with a written directive from an authorized user authorized by this license.



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

Page 2 of 5
License No.: 011-0091-6

-
9. Authorized Use (continued):
- K. To be used for DNA sequencing.
- L. To be used in accordance with a written directive from an authorized user authorized by this license.
-

CONDITIONS

10. A. The authorized place of receipt and use of radioactive material is the licensee's address stated in item 2.b. above.
- B. Radioactive materials may also be used at the following locations:
- St. Joseph's Campus
428 Biltmore Avenue
Asheville, NC 28801
- C. Radioactive materials in Subitems K. and L. of Items 6., 7., 8., and 9. above shall only be used at the following location:
- Mission - St. Joseph's Genetics Department
267 McDowell Street
Asheville, NC 28801
- D. Radioactive materials in Subitems B. - E. of Items 6., 7., 8., and 9. above may be used at licensee owned facilities throughout North Carolina.
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 manufacturers 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.
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)(5).
- 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 (a) - (d).
- B. Radioactive materials shall not be used on humans until its pharmaceutical quality and assay have been established.

ACCEPTANCE REVIEW MEMO (ARM)

Licensee: LANDER VALLEY MEDICAL CENTER, LLC **License No.:** 49-17813-01
Docket No.: 030-13375 **Mail Control No.:** 472088
Type of Action: NOTIFY **Date of Requested Action:** 12-18-08
Reviewer Assigned: **ARM reviewer(s):** TORRES

Response	Deficiencies Noted During Acceptance Review
	[] Open ended possession limits. Submit inventory. Limit possession. [] Submit copies of latest leak test results. [] Add IC L.C./Fingerprint LC, add SUNSI markings to license. [] Confirm with licensee if they have NARM material.

Reviewer's Initials: _____ **Date:** _____

<input type="checkbox"/> Yes	<input type="checkbox"/> No	Request for unrestricted release Group 2 or >. Consult with Bravo Branch.
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Termination request < 90 days from date of expiration
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Expedite (medical emergency, no RSO, location of use/storage not on license, RAM in possession not on license, other)
<input type="checkbox"/> Yes	<input type="checkbox"/> No	TAR needed to complete action.

Branch Chief's and/or HP's Initials: _____ **Date:** _____

SUNSI Screening according to RIS 2005-31

Yes No **Sensitive and Non-Publicly Available** if any item below is checked

General guidance:

- _____ RAM = or > than Category 3 (Table 1, RIS 2005-31), use Unity Rule
- _____ Exact location of RAM [suite #, bldg. #, location different from mailing address] (whether = or > than Category 3 or not)
- _____ Design of structure and/or equipment (site specific)
- _____ Information on nearby facilities
- _____ Detailed design drawings and/or performance information
- _____ Emergency planning and/or fire protection systems

Specific guidance for medical, industrial and academic (above Category 3):

- _____ RAM quantities and inventory
- _____ Manufacturer's name and model number of sealed sources & devices
- _____ Site drawings with exact location of RAM, description of facility
- _____ RAM security program information (locks, alarms, etc.)
- _____ Emergency Plan specifics (routes to/from RAM, response to security events)
- _____ Vulnerability/security assessment/accident-safety analysis/risk assess
- _____ Mailing lists related to security response

Branch Chief's and/or HP's Initials: ATC **Date:** JAN 12 2009

JAN 12 2009

DATE

This is to acknowledge the receipt of your letter/application dated 12-18-08, and to inform you that the initial processing, which includes an administrative review, has been performed.

There were no administrative omissions. Your application will be assigned to a technical reviewer. Please note that the technical review may identify other omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card:

The action you requested is normally processed within days.

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 472088.
When calling to inquire about this action, please refer to this mail control number.
You may call me at 817-860-8103.

Sincerely,

Colleen Murnahan
Licensing Assistant

NRC FORM 532 (RIV)
(10-2008)

BETWEEN: : (FOR LFMS USE)
 : INFORMATION FROM LTS
 : -----
 :
 License Fee Management Branch, ARM : Program Code: 02121
 and : Status Code: 0
 Regional Licensing Sections : Fee Category: 7C
 : Exp. Date: 20110831
 : Fee Comments: CODE 33
 : Decom Fin Assur Reqd: N
 : ::::::::::::::::::::::::::::::::::::

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
 Applicant/Licensee: LANDER VALLEY MEDICAL CENTER, LLC
 Received Date: 20081229
 Docket No: 3013375
 Control No.: 472088
 License No.: 49-17813-01
 Action Type: Amendment

2. FEE ATTACHED
 Amount: _____
 Check No.: /

3. COMMENTS

Signed Colleen Murnahan
 Date 1-12-09

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /_/)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:
 Amendment _____
 Renewal _____
 License _____

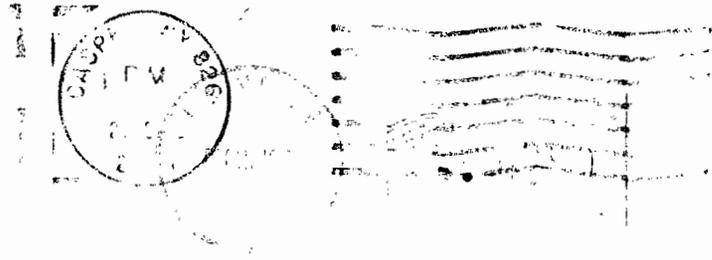
3. OTHER _____

Signed _____
 Date _____



LANDER REGIONAL HOSPITAL

1320 Bishop Randall Drive
Lander, Wyoming 82520-3996



Nuclear Materials Licensing Branch
U.S. Nuclear Regulatory Commission, Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, Tx 76011-4005

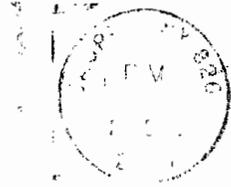
760114005 C024





LANDER REGIONAL HOSPITAL

1320 Bishop Randall Drive
Lander, Wyoming 82520-3996



Nuclear Materials Licensing Branch
U.S. Nuclear Regulatory Commission, Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, Tx 76011-4005

760114005 C024

