ACCEPTANCE REVIEW MEMO

Licensee: Mercy Medical Center

License No.: 11-27089-01 **Docket No.:** 030-32246

Mail Control No.: 470496

Type of Action: Amend **Date of Requested Action:** 03-18-05

Reviewer Assigned: Cook **Date Assigned to Reviewer:** 04-12-05

Reviewer(s) Who Performed Review: Cook

Response Received	Deficiencies Noted During Acceptance Review
N/A	1. Confirm physicians to be deleted from license.
	2. spoke w/ Cpt Stark, NMC. met tech + she confirmed NO Drs. to be deleted from the license.
	3.
	4.

Reviewer's Initials: JAC **Date:** 4/18/05

Branch Chief's and/or SR. HP's Initials: AJC **Date:** 4/14/05

☐Yes ☐No Action - decommissioning notification should be issued within 30 days.

☐Yes ☐No Termination request < 90 days from date of expiration

☐Yes ☐No Action to be expedited

_____Medical emergency

_____Licensee in noncompliance (i.e. no RSO, location of use/storage not on license, radioactive material in possession not on license)

_____National Security

_____Other (_____)

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

SISP Review

☑Yes ☐No **Non-Publicly Available, Sensitive** if any item below is checked

__✓__Radionuclides, forms, and quantities

_____Location of RAM

_____Building drawings with locations of RAM

_____Security of RAM (locks, alarms, etc.)

_____SS&D Catalog information

_____Specifics of Emergency Plan (routes to and from RAM, response to security events, etc.)

_____Safeguards Information

Branch Chief's and/or Sr. HP's Initials: JAC **Date:** 4/18/05

Mercy Medical Center

March 18, 2005

APR 06 2005

Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

Attention: Jacqueline Cook

Re: License Number 11-27089-01
Region 4

Dear Ms. Cook:

Mercy Medical Center would like to amend license number 11-27089-01 to add and delete physicians from our current license. The following are diplomats of the American Board of Cardiology or Radiology:

Add as users:

1. Scott Hiatt, D.O. – authorized user for materials identified in 10CFR 35.100, and 35.200 restricted to nuclear cardiology. Dr. Hiatt is an authorized user under license ORE-90442.

2. Mark J. Baldeck, M.D. – authorized user for materials identified in 10CFR 35.100, 35.200, 35.300, and depleted uranium.

If additional information is needed, please contact me. Christa 208-463-5447

Sincerely,

Joseph A. Messmer
President &
Chief Executive Officer

NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 07

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.

Licensee	In accordance with letter dated October 30, 2002
1. St. Joseph Regional Medical Center	3. License number 11-27371-01 is amended in its entirety to read as follows:
2. 415 Sixth Street Lewiston, Idaho 83501	4. Expiration date October 31, 2012
	5. Docket No. 030-32211 Reference No.

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Any byproduct material identified in 10 CFR 35.100	A. Any radiopharmaceutical identified in 10 CFR 35.100	A. As needed
B. Any byproduct material identified in 10 CFR 35.200	B. Any radiopharmaceutical identified in 10 CFR 35.200	B. As needed
C. Any byproduct material identified in 10 CFR 35.300	C. Any radiopharmaceutical identified in 10 CFR 35.300	C. 300 millicuries
D. Any byproduct material identified in 10 CFR 35.400	D. Any brachytherapy source identified in 10 CFR 35.400	D. As needed
E. Uranium depleted in Uranium-235	E. Cadmium plated metal	E. As needed

9. Authorized use

A. Medical use described in 10 CFR 35.100.
B. Medical use described in 10 CFR 35.200.
C. Medical use described in 10 CFR 35.300.
D. Medical use described in 10 CFR 35.400 and, for cesium-137, calibration of licensee's survey meters and personnel dosimeters.
E. Shielding in a linear accelerator.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
11-27371-01

Docket or Reference Number
030-32211

Amendment No. 07

CONDITIONS

10. Licensed material may be used only at the licensee's facilities located at St. Joseph's Regional Medical Center, 415 Sixth Street, Lewiston, Idaho.

11. The Radiation Safety Officer for this license is Douglas Heidorn, Ph.D.

12. Licensed material listed in Item 6 above is only authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated:

Authorized Users	Material and Use
Kent Anderson, M.D.	10 CFR 35.300, 35.400, and depleted uranium
Louis Blas, M.D.	10 CFR 35.100, 35.200, Iodine-131 for hyperthyroidism and cardiac dysfunction, and depleted uranium
Mark W. Peterson, M.D.	10 CFR 35.100, 35.200, and depleted uranium
Mark J. Baldeck, M.D.	10 CFR 35.100, 35.200, 35.300, and depleted uranium
John William Mannschreck, M.D.	10 CFR 35.100, 35.200, 35.300, and depleted uranium
Michael E. Bell, M.D.	10 CFR 35.300, 35.400, and depleted uranium
Matthew A. Stein, M.D.	10 CFR 35.100, 35.200, 35.300, and depleted uranium
Mujeeb Jan, M.D.	10 CFR 35.100 and 35.200
Barbara Michaelis, M.D.	10 CFR 35.100, 35.200, 35.300, and depleted uranium

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. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed 3 years.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
11-27371-01

Docket or Reference Number
030-32211

Amendment No. 07

B. Notwithstanding Paragraph A of this Condition, sealed sources and detector cells designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.

C. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.

D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.

E. Sealed sources need not be leak tested if:

(i) they contain only hydrogen-3; or

(ii) they contain only a radioactive gas; or

(iii) the half-life of the isotope is 30 days or less; or

(iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or

(v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

F. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region IV, 611 Ryan Plaza Drive, Suite 400, Arlington, Texas 76011, ATTN: Director, Division of Nuclear Materials Safety. The report shall specify the source involved, the test results, and corrective action taken.

G. Tests for leakage and/or contamination, including leak test sample collection and analysis, shall be performed by the licensee or by other persons specifically licensed by the Commission or an Agreement State to perform such services.

15. Sealed sources containing licensed material shall not be opened or sources removed from source holders by the licensee.

16. 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
11-27371-01

Docket or Reference Number
030-32211

Amendment No. 07

17. The licensee shall conduct a physical inventory every 6 months to account for all sources and devices containing licensed material received and possessed.

18. The licensee shall not acquire licensed material in a sealed source or device unless the source or device has been registered with the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or equivalent regulations of an Agreement State.

19. 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 March 13, 2002
    B. Facsimile dated October 1, 2002

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date February 5, 2003

By _____
Jacqueline D. Cook, Senior Health Physicist
Nuclear Materials Licensing Branch
Region IV
Arlington, Texas 76011

NRC FORM 591M PART 1
(10-2009)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:	2. NRC/REGIONAL OFFICE
St. Joseph Regional Medical Center 415 Sixth Street Lewiston, Idaho REPORT NUMBER(S) 2004-001	**USNRC Region IV** **611 Ryan Plaza Drive, Suite 400** **Arlington, Texas 76011-4005**

3. DOCKET NUMBER(S)	4. LICENSEE NUMBER(S)	5. DATE(S) OF INSPECTION
030-32211	11-27371-01	August 27, 2004

LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

[X] 1. Based on the inspection findings, no violations were identified.

[ ] 2. Previous violation(s) closed.

[ ] 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, NUREG-1600, to exercise discretion, were satisfied.

_____ Non-Cited Violation(s) was/were discussed involving the following requirement(s) and Corrective Action(s):

[ ] 4. During this inspection certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

(Violations and Corrective Actions)

Licensee's Statement of Corrective Actions for Item 4, above.

I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

	Title	Printed Name	Signature	Date
LICENSEE'S REPRESENTATIVE				
NRC INSPECTOR		Randy Erickson		8/27/04

STATE OF OREGON
OREGON STATE HEALTH DIVISION
DEPARTMENT OF HUMAN SERVICES

RADIOACTIVE MATERIALS LICENSE

License No. ORE-90442
Amendment Number 39

Pursuant to the Radiation Control Act and the Oregon Rules for the Control of Radiation, and in reliance on statements and representations heretofore made by the Licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive, possess and use the radioactive material(s) designated below; and to use such radioactive materials for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations, and orders now or hereafter in effect of the State Health Division and to any and all conditions specified below.

In accordance with letter date-stamp received December 21, 2001, Oregon Radioactive Materials License Number ORE-90442 is amended to read as follows:

Licensee		3. License Number	ORE-90442
1. Name	Merle West Medical Center	4. Expiration Date	September 30, 2004
2. Address	2865 Daggett Street Klamath Falls, Oregon 97601	3. Reference Number	Priority 3/Program Code 02120 Medical Diagnostic/Therapy QMP

6. Radioactive materials (element and mass number)	7. Chemical and/or physical form	8. Maximum quantity licensee may possess at any one time
A. Any radioactive material identified in OAR 333-116-300	A. Any radiopharmaceutical identified in OAR 333-116-300	A. As needed.
B. Any radioactive material identified in OAR 333-116-320	B. Any radiopharmaceutical identified in OAR 333-116-320	B. As needed.
C. Any radioactive material identified in OAR 333-116-360	C. Any radiopharmaceutical identified in OAR 333-116-360	C. As needed.
D. Any radioactive material identified in OAR 333-116-420	D. Any brachytherapy source identified in OAR 333-116-420	D. 1,310 millicuries.
E. Fluorine-18	**E. Fluoro-2-deoxy-D-glucose**	**E. 1 Curie.**

9. Authorized use.

A. Medical use as described in OAR 333-116-300.

B. Medical use as described in OAR 333-116-320.

C. Medical use as described in OAR 333-116-360.

D. Medical use as described in OAR 333-116-420.

E. For medical use described in OAR 333-116-320 for imaging and localization on board mobile coach operated by Mobile P.E.T., Inc. (Oregon License # ORE-90932).

State of Oregon
OREGON STATE HEALTH DIVISION
Department of Human Resources
RADIOACTIVE MATERIALS LICENSE

License No. ORE-90442
Amendment Number 39

Continued from Page 1

CONDITIONS

10. A. Licensed radioactive material in Subitems A through D of Items 6, 7 and 8 shall be used only at the following locations:

    1. Merle West Medical Center, 2865 Daggett Street, Klamath Falls, Oregon.
    2. Office of Geoffrey Marx, M.D., 2614 Clover Street, Klamath Falls, Oregon.
    3. Family Practice Center, 2300 Clairmont Street, Klamath Falls, Oregon.
    4. Klamath Heart Clinic, 2600 Campus Drive, Klamath Falls, Oregon.
    5. Cancer Treatment Center, 2610 Uhrmann Rd., Klamath Falls, Oregon.

    B. Licensed radioactive material in Subitem E of Items 6, 7 and 8 shall be used only on board mobile coach operated by Mobile P.E.T., Inc. (Oregon License # ORE-90932). The mobile coach shall be located at a designated site, east of Merle West Medical Center.

11. This license is subject to and void without an annual validation certificate. Insofar as the licensee has submitted the proper fee prior to the expiration of a validation certificate, such existing validation certificate shall not expire until the issuance of a new validation certificate for the then current fiscal year.

12. A. The Radiation Safety Officer for the activities authorized by this license is William Milimuka, M.Sc.

    B. The Assistant Radiation Safety Officer for the activities authorized by this license is Jeffrey William Chudoba, M.D.

13. A. Licensed radioactive material listed in Item 6 above is authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated:

NAME	USE
Robert E. Jamison, M.D.	Subitems A and B
William Tamplen, M.D.	Subitems A and B
Marilyn M. Walkey, M.D.	Subitems A and B
Robert N. Edwards, M.D.	Subitems A, B and C
Jeffrey William Chudoba, M.D.	Subitems A, B **and E**
Mark Goodman, M.D.	Subitems A, B **and E**
Janet Marie Nettleton, M.D.	Subitems C and D

State of Oregon
OREGON STATE HEALTH DIVISION
Department of Human Resources

RADIOACTIVE MATERIALS LICENSE

Continued from Page 2

CONDITIONS (cont.)

13. B. Radioactive material described in OAR 333-116-320 may also be used by Joanna B. Narkiewicz-Jodko, M.D., or [redacted] for cardiac imaging.

C. Iodine-131 for treatment of hyperthyroidism or thyroid carcinoma as described in OAR 333-116-360 may also be used by Jeffrey William Chudoba, M.D.

D. Notwithstanding the requirements of OAR 333-116-320, Tc-99m, for sentinel lymph node procedures, may be used by physicians authorized for use of Subitem B of Item 6 pursuant to a letter dated December 14, 1999 and procedures date-stamp received February 18, 2000.

14. The licensee is authorized to receive, possess and use as reference and calibration sources:

A. Sealed sources of radioactive material containing cobalt-57 not to exceed 20 millicuries.

B. Sealed sources of radioactive material with a half-life longer than 100 days in individual amounts not to exceed 1 millicurie.

C. Technetium-99m in individual amounts not to exceed 50 millicuries.

15. Insofar as the licensee restricts the possession of radioactive material to quantities below the minimum limit specified in Appendix B of 10 CFR 30.35, the licensee is not required to provide financial assurance pursuant to OAR 333-102-200(6).

16. A. Notwithstanding the requirement to prepare and use drugs in accordance with the package insert, if, in the judgement of the physician as an authorized user, departures from the package insert, or use of unapproved drugs, is indicated, the physician may perform such procedures consistent with good professional medical practice as judged by the Oregon Board of Pharmacy, the Oregon Board of Medical Examiners, and/or the Oregon Radiation Advisory Board, as appropriate.

B. Procedures shall be done by or under the supervision of persons whose training meets the requirements in OAR 333-116 and shall be in accordance with safe radiation safety procedures and ALARA in OAR 333-120. Radiopharmaceuticals shall not be used in humans until their pharmaceutical quality and assay have been established. Records documenting radioactive material use described in A. of this condition shall be kept by the licensee until inspection by the Agency.

17. The licensee is prohibited from redistributing molybdenum-99/technetium-99m generators unless the generator is unopened and remains in its original packaging.

18. Any time a radioactive dose is administered to a patient for the purpose of nuclear medicine imaging pursuant to OAR 333-116-320, the licensee shall perform imaging equipment quality control procedures pursuant to OAR 333-116-150 prior to patient imaging to ensure optimum imaging quality. Imaging quality tests (OAR 333-116-150) shall include, but not be limited to, the following:

State of Oregon
OREGON STATE HEALTH DIVISION
Department of Human Resources

RADIOACTIVE MATERIALS LICENSE

Continued from Page 3

CONDITIONS (cont.)

18. A. Measure the photopeak of each gamma camera following the manufacturer's instructions.

B. Using either Tc-99m or Co-57, perform an extrinsic flood field with a frequently used collimator in place, or perform an intrinsic flood field test. Accumulate at least 1,000,000 counts for small field-of-view cameras and 3,000,000 counts for large field-of-view cameras. Process the image as if it were an image of a patient.

C. Do not administer a radioactive dose to patients until an authorized user or a designated technologist has approved the camera(s) for daily use.

D. Retain a record of these daily checks for review by Division inspectors.

19. Notwithstanding the requirements of OAR 333-116-200(2)(b), the licensee is authorized to leak test all brachytherapy sources currently possessed at a three year leak test frequency.

20. A licensee may authorize release from licensee control any patient administered radiopharmaceuticals or permanent implants containing radioactive material if the total effective dose equivalent to any individual other than the patient from exposure to the released patient is not likely to exceed 1 millisievert (0.1 rem) in any one year from a single administration. Upon release, the licensee shall:

(1) Provide the patient with written instructions to maintain doses to other individuals as low as reasonably achievable; and

(2) Maintain, for three (3) years, a record of the released patient and the calculated total effective dose equivalent to the individual likely to receive the highest dose.

21. Except as specifically provided otherwise by this license, the licensee shall conduct its program in accordance with statements, representations and procedures contained in the documents, including any enclosures listed below. The Oregon Rules for the Control of Radiation shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the rules.

A. Application dated September 1, 1999, signed by Paul Stewart, President.

B. Facsimile document dated November 1, 1999, signed by Trevor Fitzgerald.

C. Facsimile document dated December 29, 1999, signed by William Milimuka, M.Sc., ABR, RSO.

D. Letter dated December 14, 1999, signed by William Milimuka, M.Sc., ABR, RSO.

E. Procedures date-stamp received February 18, 2000, from William Milimuka, M.Sc., ABR.

F. Facsimile document dated October 12, 2000, signed by William Milimuka, M.Sc.

State of Oregon
OREGON STATE HEALTH DIVISION
Department of Human Resources

RADIOACTIVE MATERIALS LICENSE

License No. ORE-90442
Amendment Number 39

Continued from Page 4

CONDITIONS (cont.)

21. G. Corrected billing dated June 11, 2001, signed by William Milimuka, M.Sc.

H. Letter date-stamp received December 21, 2001, signed by William Milimuka, M.S.

Date February 26, 2002

FOR DHS HEALTH SERVICES

By _____
Terry D. Lindsey, Manager
Radiation Protection Services

APR 19 2005

DATE

This is to acknowledge the receipt of your letter/application dated 3-18-05, 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 additional 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 90 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** 470496.
When calling to inquire about this action, please refer to this mail control number.
You may call me at 817-860-8103.

Sincerely,

Colleen Marucham

Licensing Assistant

NRC FORM 532 (RIV)
(9-2003)

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 02120
Status Code: 0
Fee Category: 7C
Exp. Date: 20120430
Fee Comments: _____
Decom Fin Assur Reqd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
   Applicant/Licensee: MERCY MEDICAL CENTER
   Received Date: 20050406
   Docket No: 3032246
   Control No.: 470496
   License No.: 11-27089-01
   Action Type: Amendment

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

3. COMMENTS

Signed Colleen Murnahan
Date 4/7/05

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 _____