MS 16
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WESTMORELAND CANCER CENTER
PART OF WESTMORELAND REGIONAL HOSPITAL
In Partnership with West Penn Allegheny Cancer Institute

Harry R. Katz, MD
Radiation Oncology

37-02894-02 03009731 / 37-17080-01 03012161

FAX Transmittal Cover Sheet

TO: Tara Wiener DATE: 4/26/05

COMPANY: USNRC

RECEIVER'S FAX NUMBER: (610) 337 – 5393

FROM: Daniel A. Berkley, RSO.

SENDER'S FAX NUMBER: (724) 832 – 5092

SENDER'S TELEPHONE NUMBER: (724) 832 – 4267

NUMBER OF PAGES SENT (Including Cover Sheet): 15

MESSAGE: Dear Ms. Wiener,

I found the note in my shirt pocket protector (Typical Physicist) which had the Fax # and control #. MAIL Control #'s 136496 and 136497

Thank you for your help in this matter

Sincerely,

Daniel A. Berkley RSO

CONFIRMATION REQUESTED OF TRANSMITTAL: ✓ Yes ____ No

[redacted]

136496 / 136497

NMSS/RGN1 MATERIALS-002

NRC FORM 374 U.S. NUCLEAR REGULATORY COMMISSION PAGE 1 OF 3 PAGES

Amendment No. 21

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1874 (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	
1. Allegheny University Hospitals- Canonsburg	In accordance with the letter dated August 25, 2000.
	3. License number 37-17688-01 is amended in its entirety to read as follows:
2. 100 Medical Boulevard Canonsburg, Pennsylvania 15317	4. Expiration date August 31, 2004
	5. Docket No. 030-13169 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 except gas	B. As needed
C. Strontium 89	C. As identified in 10 CFR 35.300	C. 100 millicuries

9. Authorized use:

A. Any uptake, dilution and excretion procedure approved in 10 CFR 35.100.
B. Any imaging and localization procedure approved in 10 CFR 35.200.
C. Any radiopharmaceutical therapy procedure approved in 10 CFR 35.300.

CONDITIONS

10. Licensed material may be used only at the licensee's facilities located at 100 Medical Boulevard, Canonsburg, Pennsylvania.

11. The Radiation Safety Officer for this license is William C. Thomeier, M.D.

NRC FORM 374A U.S. NUCLEAR REGULATORY COMMISSION PAGE 2 of 3 PAGES

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
37-17688-01

Docket or Reference Number
030-13169

Amendment No. 21

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
William C. Thomeier, M.D.	35.100; 35.200 Strontium 89 for radiopharmaceutical procedures approved in 35.300
Frank A. Yarussi, M.D.	35.100; 35.200
Michael J. Ramsay, M.D.	35.100; 35.200
Linda M. Miketic, M.D.	35.100; 35.200
Paul A. DePippo, M.D.	35.100; 35.200
James W. Marcucci, M.D.	35.200 for cardiovascular clinical procedures
Marshall Carlin, M.D.	35.100; 35.200 Strontium 89 for radiopharmaceutical procedures approved in 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), 40.36(b), and 70.25(d) for establishing financial assurance for decommissioning.

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."

NRC FORM 374A U.S. NUCLEAR REGULATORY COMMISSION PAGE 3 of 3 PAGES

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
37-17688-01

Docket or Reference Number
030-13169

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, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. 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 January 21, 1994
B. Letter dated June 28, 1994
C. Letter dated July 6, 1995
D. Letter dated July 12, 1995
E. Letter dated October 2, 1995
F. Letter dated February 9, 1998
G. Letter dated March 26, 1998
H. Letter dated June 23, 1998
I. Letter dated May 17, 2000
J. Letter received May 22, 2000 (dated March 8, 2000)
K. Letter dated October 30, 2000

For the U.S. Nuclear Regulatory Commission

Date November 20, 2000

By
Tara L. Weidner
Nuclear Materials Safety Branch 1
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406

44340731

The American Board of Radiology

Organized through the cooperation of the
American College of Radiology, the American Roentgen Ray Society,
the American Radium Society, the Radiological Society of North America,
the Section on Radiology of the American Medical Association,
the American Society for Therapeutic Radiology and Oncology, the Association of
University Radiologists, and American Association of Physicists in Medicine
Hereby certifies that

Robert Savary Malyapa, MD, PhD

Has pursued an accepted course of graduate study
and clinical work, has met certain standards and qualifications and
has passed the examinations conducted under the authority of
The American Board of Radiology
On this seventh day of June, 2004
Thereby demonstrating to the satisfaction of the Board
that he is qualified to practice the specialty of

Radiation Oncology

THE AMERICAN BOARD OF RADIOLOGY
INCORPORATED IN THE DISTRICT OF COLUMBIA
1934

President

Secretary-Treasurer

Executive Director

AMERICAN BOARD OF MEDICAL SPECIALTIES

Certificate No. 44285

Valid through 2014

The American Board of Radiology

Organized through the cooperation of the
American College of Radiology, the American Roentgen Ray Society,
the American Radium Society, the Radiological Society of North America,
the Section on Radiology of the American Medical Association,
the American Society for Therapeutic Radiology and Oncology, the Association of
University Radiologists, and American Association of Physicists in Medicine
Hereby certifies that

Matthew Christian Banks, MD

Has pursued an accepted course of graduate study
and clinical work, has met certain standards and qualifications and
has passed the examinations conducted under the authority of
The American Board of Radiology
On this fourth day of June, 2003
Thereby demonstrating to the satisfaction of the Board
that he is qualified to practice the specialty of

Diagnostic Radiology

President

Secretary-Treasurer

Executive Director

Certificate No. 18951

Valid through 2013

HUTCHINSON CLINIC, P.A.

Facsimile Cover Sheet

To: Dan Barkeley
Company:
Phone: 724-832-4267
Fax: 724-832-5092

From: Dawn Beltz

Company: Hutchinson Clinic, PA
Radiology Fileroom
Phone: 620-669-2621 620-669-2789
Fax: 620-669-2789

Date: 4-4-05
Pages including this cover page: 7

Comments:

2101 N. Waldron Hutchinson, Kansas 67502-1197 (620) 669-2500
TOLL FREE: 1-800-779-6978 FAX (620) 669-2501

STATE OF KANSAS

RADIOACTIVE MATERIALS LICENSE

Pursuant to the Nuclear Development and Radiation Control Act (L. 1963, Ch. 290) and Kansas Annotated Regulations numbers 28-35-133 through 28-35-363 inclusive, and in reliance on statements and representations made to this agency by the licensee designated below, a license is hereby issued authorizing the licensee to transfer, receive, possess, and use the radioactive material or materials listed below; and to use such materials at the place or places listed below; and to use the material for the purpose or purposes listed below. This license is subject to all applicable rules, regulations, and orders now in effect or placed in effect by the Department of Health and Environment and any conditions specified below.

Amendment No. 11

Licensee	3. License number
1. Name Hutchinson Clinic, P.A.	19-B519-01
2. Address 2101 N. Waldron Hutchinson, KS 67501	4. Expiration date **October 31, 2001**
	5. Reference number

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 listed in Groups I and II, Schedule D, Regulation 28-35-199a of the Kansas Radiation Protection Regulations	A. Any radiopharmaceutical listed in Groups I and II, Schedule D, Regulation 28-35-199a of the Kansas Radiation Protection Regulations	A. As necessary for uses authorized in Subitem 9.A
B. Any radioactive material listed in Group III, Schedule D, Regulation 28-35-199a of the Kansas Radiation Protection Regulations	B. Any form listed in Group III, Schedule D, Regulation 28-35-199a of the Kansas Radiation Protection Regulations	B. One (1) curie of each radioactive material authorized in Subitem 9.B
C. Any radioactive material listed in Group IV, Schedule D, Regulation 28-35-199a of the Kansas Radiation Protection Regulations	C. Any radiopharmaceutical listed in Group IV, Schedule D, Regulation 28-35-199a of the Kansas Radiation Protection Regulations	C. 150 millicuries
D. Technetium-99m	D. Labeled DTPA Aerosol	D. 100 millicuries

STATE OF KANSAS

RADIOACTIVE MATERIALS LICENSE

Supplementary Sheet License number: 19-B519-01

6. Radioactive materials (element and mass number)	7. Chemical and/or physical form	8. Maximum quantity licensee may possess at any one time
E. Cobalt-57	E. Sealed source(Dupont NES-206 Atomic Products/Biodex 063-261, North American Scientific MED-3550, Capintec CRC-165E or equivalent)	E. No single source to exceed 5 millicuries
F. Cobalt-57	F. Sealed source (Atomic Products F. Model 100-283 or equivalent)	F. 150 microcuries
G. Cobalt-57	G. Sealed source (Dupont NES-292, G. NES-296, NES-297, NES-391, NES-392, NES-8009, NES-8012, NES-8400, NES-8450; AP/Biodex 062-297, 062-392; NAS MED-3701-3709 or equivalent)	G. No single source to exceed 20 millicuries
H. Cesium-137	H. Sealed source (Dupont NES-356, AP/Biodex 101-356; NAS MED-3550CS137; Capintec CRC-154E Or equivalent)	H. No single source to exceed 250 microcuries
I. Barium-133	I. Sealed source (Dupont NES-358; AP/Biodex 063-562; NAS MED-3550BA133; Capintec CRC-165E or equivalent)	I. No single source to exceed 250 microcuries
J. Technetium-99m	J. Arcitumomab	J. 200 millicuries
K. Technetium-99m	K. Nofetumomab Merpantan	K. 200 millicuries
L. Indium-111	L. Capromab Pondetide	L. 200 millicuries
M. Indium-111	M. Inciromab Pentetate	M. 200 millicuries
N. Barium-133	**N. Sealed source (IPL model PHI-XXX-GFS or equivalent)**	**N. 46 millicuries**

STATE OF KANSAS

RADIOACTIVE MATERIALS LICENSE

Supplementary Sheet License number: 19-B519-01

CONDITIONS

9. Authorized use. (Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 1 above.)

   A. Any diagnostic procedure listed in Groups I and II, Schedule D, Regulation 28-35-199a of the Kansas Radiation Protection Regulations.

   B. Preparation and use of radioapharmaceuticals for any diagnostic procedure listed in Group III, Schedule D, Regulation 28-35-199a of the Kansas Radiation Protection Regulations.

   C. Any therapeutic procedure listed in Group IV, Schedule D, Regulation 28-35-199a of the Kansas Radiation Protection Regulations.

   D. To be used for pulmonary studies.

   E., G., H. I and N. To be used for instrument calibration.

   F. To be used as anatomical markers.

   J. To be used for the detection of colorectal carcinomas.

   K. To be used for the detection of extensive stage disease in patients with small cell lung cancer.

   L. To be used for the diagnostic imaging agent of prostate cancer.

   M. To be used for the detection of myocardial injuries.

10. Radioactive materials shall only be used at 2101 N. Waldron, Hutchinson, Kansas 67501.

11. **Radioactive materials listed in Item 6 above is authorized for use by, or under the supervision of, the following individual(s) for the materials and uses indicated:**

(Name)	(Uses)
Gary McKee, M.D.	**Groups I - IV**
Michael Schekall, M.D.	**Groups I - IV**
Margaret Clark, M.D.	**Groups I - III**

STATE OF KANSAS

RADIOACTIVE MATERIALS LICENSE

Supplementary Sheet License number: 19-B519-01

12. The radiation safety officer in this program shall be Michael Schekall, M.D.

13. A. (1) Each sealed source containing radioactive material, other than Hydrogen-3, with a half-life greater than thirty (30) days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six (6) months. In the absence of a certificate from a transferror indicating that a test has been made within six (6) months prior to the transfer, a sealed source received from another person shall not be put into use until tested.

(2) Notwithstanding the periodic leak test required by this condition, any radioactive sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.

(3) Except for alpha sources, the periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six (6) months prior to the date of use or transfer. Sources in storage shall be physically inventoried every six months and listed in the radioactive materials inventory.

B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source of from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcurie and maintained for inspection by the Department.

C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Department regulations. A report shall be filed within five (5) days of the test with the Radiation Control Program, Bureau of Air and Radiation , Kansas Department of Health and Environment, Topeka, Kansas 66620, describing the equipment involved, the test results and the corrective action taken.

D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Department, the United States Nuclear Regulatory Commission, or an Agreement State to perform such services.

14. A. The licensee shall perform a test to detect and quantify the activity of Molybdenum-99 contamination in each elution of Technetium-99m from a Molybdenum-99/Technetium-99m generator and in each extraction or separation of Technetium-99m from Molybdenum-99 not contained in a generator.

STATE OF KANSAS

RADIOACTIVE MATERIALS LICENSE

Supplementary Sheet License number: 19-B519-01

B. The licensee shall not distribute for human use Technetium-99m that, at the expiration date and time show on the package label, contains more than 0.15 microcuries of Molybdenum-99 per millicurie of Technetium-99m or more than five (5) microcuries of Molybdenum-99 per dose of Technetium-99m. The expiration date and time shown on the package label shall be such that the limits above are not exceeded for any single patient dose. The limits for Molybdenum-99 contamination represent maximum values and Molybdenum-99 contamination should be kept as low as reasonably achievable below these limits.

C. The licensee shall establish written procedures for personnel performing tests to detect and quantify Molybdenum-99 contamination. These procedures shall include all necessary calculations and steps to be taken if activities of Molybdenum-99m in excess of the limits specified in Subitem B above are detected.

D. Personnel performing tests to detect and quantify Molybdenum-99 contamination shall be given specific training in performing these tests prior to conducting such tests.

E. 1. The licensee shall maintain for inspection by the Department records of the results of each test performed to detect and quantify Molybdenum-99 contamination and records of training given to personnel performing these tests.

2. Records described in E1 above shall be maintained for three (3) years following the performance of the tests and training of personnel.

15. A. Radiopharmaceuticals dispensed and/or distributed for human use shall be either:

(i) Repacked from prepared radiopharmaceuticals that are the subject of an FDA-approved "New Drug Application" (NDA) or for which FDA has accepted a "Notice of Claimed Investigational Exemption for a New Drug" (IND), or

(ii) Prepared from generators and reagent kits that are the subject of an FDA-approved NDA or for which FDA has accepted an IND.

B. Prepared radiopharmaceuticals for which FDA has accepted an IND and radiopharmaceuticals prepared from generators or reagent kits for which FDA has accepted an IND shall be dispensed and/or distributed:

(i) In accordance with the directions provided by the sponsor of the IND, and

(ii) Only to physicians who have been accepted by the sponsor of the IND to participate in clinical evaluation of the drug.

The license shall inform in writing each physician who participates in an IND evaluation that the physician responsible to the sponsor of the IND for use of the drug in accordance with protocols established by the sponsor and for reporting to the sponsor the clinical information obtained through use of the drug.

STATE OF KANSAS

RADIOACTIVE MATERIALS LICENSE

Supplementary Sheet License number: 19-B519-01

16. The licensee shall elute generators and process radioactive material with reagent kits in accordance with instructions furnished by the manufacturer on the label attached to or in the leaflet or brochure that accompanies the generator or reagent kit.

17. The licensee may transport radioactive material or deliver radioactive material to a carrier for transport, in accordance with the provisions of Kansas Radiation Protection Regulations 28-35-196a, "Preparation of Radioactive Material for Transport."

18. The licensee shall comply with the provisions of Part 4, Kansas Radiation Protection Regulations, "Standards fo Protection Against Radiation" and Part 10, Kansas Radiation Protection Regulations, "Notices, Instructions and Reports to Workers; Inspections."

19. The licensee shall possess and use radioactive material described in Items 6, 7 and 8 of this license according to the most restrictive of; the Kansas Radiation Protection Regulations, this license or statements, representations, and procedures contained in the following documents:

    (a) The application dated October 20, 1995, signed by Leslie E. Zimmerman, with attachments.

    (b) The letter dated 23 September, 1997, signed by Gary S. McKee, M.D.

    (c) The letter dated October 20, 1999, signed by the RSO, Michael Schekall, M.D.

    (d) The two letters, both dated November 15, 1999, signed by the RSO, Michael Schekall, M.D., with attachments.

FOR THE STATE DEPARTMENT OF HEALTH AND ENVIRONMENT

Date JAN 25 2000

By _____
Vick L. Cooper
Radiation Control Program

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U.S. NUCLEAR REGULATORY COMMISSION Amendment No. 16

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 the letter dated February 10, 2004,
1. North Huntingdon Imaging Center	3. License number 37-20919-01 is amended in its entirety to read as follows:
2. 1432 Lincoln Way McKeesport, Pennsylvania 15131	4. Expiration date November 30, 2011
	5. Docket No. 030-28946 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 permitted by 10 CFR 35.100	A. Any	A. As needed
B. Any byproduct material permitted by 10 CFR 35.200	B. Any	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 1432 Lincoln Way, McKeesport, Pennsylvania.

11. 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:

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PAGE 2 of 2 PAGES

License Number
37-20919-01

Docket or Reference Number
030-28946

Amendment No. 16

MATERIALS LICENSE
SUPPLEMENTARY SHEET

Authorized Users	Material and Use
David S. Buck, M.D.	35.100; 35.200

12. The Radiation Safety Officer for this license is David S. Buck, M.D.

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 Materia."

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 October 4, 1990
B. Letter dated July 31, 1991
C. Application dated October 23, 1991
D. Application dated February 25, 1993
E. Application dated May 25, 2001
F. Letter dated March 27, 2003

For the U.S. Nuclear Regulatory Commission

Date March 3, 2004

By ***Original signed by Michelle Beardsley***

Michelle Beardsley
Nuclear Materials Safety Branch 1
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406

64233460