



NMSS

August 14, 2007

United States Nuclear Regulatory Commission
Region 1
475 Allendale Rd.
King of Prussia, PA 19406-1415

Re: Lic. # 37-13509-01

03003193

RECEIVED
REGION 1
2007 AUG 20 AM 11:19

Dear Sir/madam:

We would like to amend the above license to reflect the following changes.

1. Add Steven Herman, M.D., as an authorized user in this license for 35.100 and 35.200 and I-131 sodium iodide for imaging and localization studies. Dr. Herman is an authorized user in Lic. #: 07-16862-01, and a copy is attached for your review.
2. Add Donald S. Ostrum, M.D., as an authorized user in this license for 35.100 and 35.200 and I-131 sodium iodide for imaging and localization studies. Dr. Ostrum is an authorized user in Lic. #: 07-16862-01, and a copy is attached for your review.
3. Add William S. Mechanic, M.D. as an authorized user in this license for 35.100 and 35.200. Dr. Mechanic is an authorized user in PA Lic. # PA-0244 for 35.100 and 35.200. A copy of this license is attached for your review.

If you have any questions, please contact me at (610) 278 -2002 or our Radiation Safety Officer John C. Babu at (610) 237-4296.

Sincerely,

Carol Fluegge
Chief Operating Officer

140965

NMSS/RGN1 MATERIALS-002

NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

PAGE 1 OF 3 PAGES
Amendment No. 20**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. St. Francis Hospital, Inc.</p> <p>2. Seventh and Clayton Streets Wilmington, Delaware 19805</p>	<p>In accordance with the letter dated April 26, 2007,</p> <p>3. License number 07-16862-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date January 31, 2013</p> <p>5. Docket No. 030-1759 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>Chemical and/or physical form</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. 300 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 Seventh and Clayton Streets, Wilmington, Delaware.
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:

NRC FORM 374A

U.S. NUCLEAR REGULATORY COMMISSION

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
07-16862-01Cocket or Reference Number
030-11759

Amendment No. 20

Authorized UsersMaterial and Use

Lynne Frances Taus, M.D.

35.100; 35.200; 35.300

Donald S. Ostrum, M.D.

35.100; 35.200; Iodine-131 sodium iodide for
imaging and localization studies

Mark T. DiMarcangelo D.O.

35.100; 35.200; 35.300 except thyroid carcinoma

Suat Eng Ter, M.D.

35.100; 35.200; 35.300

Steven Herman, M.D.

35.100; 35.200; Iodine-131 sodium iodide for
imaging and localization studies

Rahjan Stokes, M.D.

35.100; 35.200; Iodine-131 sodium iodide for
imaging and localization studies

Fred Wang, M.D.

35.100; 35.200

John Matthews, M.D.

35.100; 35.200

12. The Radiation Safety Officer for this license is John Matthews, M.D.
13. In addition to the possession limits, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(e) 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."

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U.S. NUCLEAR REGULATORY COMMISSION

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
07-16862-01Docket or Reference Number
030-11759

Amendment No. 20

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. Letter dated December 18, 2002
B. Letter dated February 4, 2003
C. Letter dated March 10, 2003



For the U.S. Nuclear Regulatory Commission

Date July 11, 2007

By

Richard McKinley
Medical Branch
Region I

King of Prussia, Pennsylvania 19406

Wednesday, July 11, 2007 3:15:27 PM



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF RADIATION PROTECTION

Page 1 of 3 Pages
License No. PA-0244
Amendment No. 23

RADIOACTIVE MATERIALS LICENSE

Pursuant to the Radiation Protection Act, the Act of July 10, 1984 (No. 147, P.L. 688) (35 P.S. §§ 7110.101 - 7110.703) and Title 25, Rules and Regulations, Article V, Radiological Health of the Pennsylvania Department of Environmental Protection, and in reliance on statements and representations heretofore made by the Licensee, a license is hereby issued authorizing the Licensee to receive, acquire, possess, transfer, and use radioactive material listed below for the purposes and at the places designated below. This license shall be deemed subject to all applicable rules, regulations, or orders of the Pennsylvania Department of Environmental Protection now or hereafter in effect and to any conditions specified below.

- | | | |
|-------------------------------|---|--|
| 1. Licensee | : In response to correspondence dated | |
| St. Mary Medical Center | : December 13, 2006. | |
| | : | |
| | : 3. License No. PA-0244 is amended as | |
| 2. 1201 Langhorne-Newton Road | : follows: | |
| Langhorne, PA 19047-1295 | : | |
| | : 4. Expiration Date: December 31, 2014 | |
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- | 5. Radioactive material
(Element & mass number) | 6. Chemical and/or
physical form | 7. Maximum amount that licensee
may possess at any one time
under this license |
|---|---|--|
| A. Any accelerator-produced
material applicable for use
identified in 10 CFR 35.100 | A. Any radiopharmaceutical
applicable for use
identified in 10 CFR 35.100 | A. As needed |
| B. Any accelerator-produced
material applicable for use
identified in 10 CFR 35.200 | B. Any radiopharmaceutical
applicable for use
identified in 10 CFR 35.200 | B. As needed |
-
8. Authorized Use
- | |
|---|
| A. Any approved uptake, dilution and excretion procedure applicable to 10 CFR 35.100. |
| B. Any approved imaging and localization procedure applicable to 10 CFR 35.200. |

CONDITIONS

9. Licensed material may be used only at the licensee's facilities located at Langhorne-Newton Road, Langhorne, PA 19047.
10. Radiation Safety Officer: Paul Weiser, M.D.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF RADIATION PROTECTION

Page 2 of 3 Pages
License No. PA-0244
Amendment No. 23

RADIOACTIVE MATERIALS LICENSE

11. Licensed material listed in Item 5 above is 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:

<u>Authorized Users</u>	<u>Material and Use (10 CFR)</u>
Frank J. Ammaturo, M.D.	35.200 (New Part 35)
Eric Bosworth, M.D.	35.100; 35.200
Subrahmanyam Chivukula, M.D.	35.200 (New Part 35)
Daniel J. Cohen, M.D.	35.100; 35.200
Teresa Ecker, M.D.	35.100; 35.200
Lee M. Glickman, M.D.	35.200 (New Part 35)
R. Lawrence Greenbaum, M.D.	35.100; 35.200
Richard L. Hyman, M.D.	35.200 (New Part 35)
Bindu Kumarc Kansupada, M.D.	35.200 (New Part 35)
Larry A. LeCavalier, M.D.	35.100; 35.200
William S. Mechanic, M.D.	35.100; 35.200
Steven Meshkov, M.D.	35.100; 35.200
Joel Namm, M.D.	35.100; 35.200
Lawrence Oliver, M.D.	35.100; 35.200
Charles F. Paraboschi, M.D.	35.200 (New Part 35)
Roy Prager, M.D.	35.100; 35.200
Lawrence Ratner, M.D.	35.100; 35.200
Michael Rieder, M.D.	35.100; 35.200
William Ross, M.D.	35.100; 35.200
Gustavo Sanchez, M.D.	35.100; 35.200
Gary S. Silverstein, M.D.	35.100; 35.200
Ethan Tarasov, M.D.	35.100; 35.200
Deidre V. Walsh, M.D.	35.200 (New Part 35)
Paul J. Weiser, M.D.	35.100; 35.200
Sophia Chan Young, M.D.	35.100; 35.200

12. The licensee shall conduct a physical inventory every 6 months to account for all sealed sources and devices containing licensed material received and possessed pursuant to 10 CFR 35.67, 35.400 and 35.500 incorporated by reference.

13. The licensee may transport licensed material, or deliver licensed material to a carrier for transport, in accordance with 25 Pa. Code Chapter 230, "Packaging and Transportation of Radioactive Material" and the provisions of 10 CFR Part 71 incorporated by reference.

14. In addition to the possession limits in Item 7, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified and incorporated by reference in 10 CFR 30.35(d), 40.36(b) and 70.25(d) for establishing financial assurance for decommissioning relative to isotopes with half life greater than 120 days.

15. Notwithstanding the requirements set forth in this license, the license shall comply with the regulations set forth in Title 25 of the Pennsylvania Code Article V "Radiological Health" and the U.S. Nuclear Regulatory Commission, Title 10 Code Of Federal Regulations Parts 19-150 incorporated by reference.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF RADIATION PROTECTION

Page 3 of 3 Pages
License No. PA-0244
Amendment No. 23

RADIOACTIVE MATERIALS LICENSE

16. 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 Department of Environmental Protection's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Renewal application dated November 29, 1999
 - B. Renewal application dated December 6, 2004
 - C. Letter dated December 13, 2006
-

For the Pennsylvania Department
of Environmental Protection

Ronald G. Hamm
Bureau of Radiation Protection
P. O. Box 8469
Harrisburg, PA 17105-8469

Date: December 18, 2006

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

8/14/2007, and to inform you that the initial processing which includes an administrative review has been performed.

☒ AMEND. 37-13509-17
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** 140965.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.