



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

April 12, 2005

Docket No. 03002423  
Control No. 136433

License No. 29-00232-08

Joseph Flamini  
Vice President  
St. Francis Medical Center  
601 Hamilton Avenue  
Trenton, NJ 08629-1986

SUBJECT: ST. FRANCIS MEDICAL CENTER, ISSUANCE OF LICENSE AMENDMENT,  
CONTROL NO. 136433

Dear Mr. Flamini:

This refers to your license amendment requests dated January 28 and March 18, 2005. Enclosed with this letter is the amended license. Your former nuclear medicine facility and radioimmunoassay laboratory may be released for unrestricted use. Please note that future removable contamination surveys should be submitted in units of dpm per 100 square centimeters.

In a letter dated April 8, 2005, your physics consultant, Karen Wheeler, informed us that your strontium-90 ophthalmic applicator has been shipped for disposal. In order to remove this source from your license, please provide documentation of receipt by a licensed recipient.

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 available at the NRC Web sites listed below or by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 9:00 p.m. EST, Monday through Friday (except Federal holidays).

J. Flamini  
St. Francis Medical Center

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Thank you for your cooperation.

Sincerely,

***Original signed by Sandra Gabriel***

Sandra Gabriel  
Senior Health Physicist  
Medical Branch  
Division of Nuclear Materials Safety

Enclosure:  
Amendment No. 70

NRC Web site addresses

NRC regulations

<http://www.nrc.gov/reading-rm/doc-collections/cfr/>

Licensing guidance

<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/>

General Policy and Procedure for NRC Enforcement Actions

<http://www.nrc.gov/what-we-do/regulatory/enforcement/enforc-pol.pdf>

206 of the Energy Reorganization Act of 1974

<http://www.nrc.gov/who-we-are/governing-laws.html>

cc:

Ethan Tarasov, M.D., Radiation Safety Officer

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NAME	SGabriel/SLG2							
DATE	4/12/2005							

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**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 style="text-align: center;">Licensee</p> <p>1. St. Francis Medical Center</p> <p>2. 601 Hamilton Avenue Trenton, New Jersey 08629-1986</p>	<p>In accordance with the letters dated January 28 and March 18, 2005,</p> <p>3. License number 29-00232-08 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date April 30, 2014</p> <hr/> <p>5. Docket No. 030-02423 Reference No.</p>
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<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>D. Any byproduct material permitted by 10 CFR 35.400</p> <p>E. Strontium 90 permitted by 10 CFR 35.400</p> <p>F. Strontium 90/Yttrium 90</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p> <p>D. Sealed Sources (Amersham Model CDC.J)</p> <p>E. Sealed Source (3M Company Model 3M6D1A)</p> <p>F. Sealed Sources (BEBIG Model Sr0.S03 or AEAT SICW Series, SICW.1 and SICW.2)</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. 500 millicuries</p> <p>D. 1100 millicuries</p> <p>E. 60 millicuries</p> <p>F. 5.0 millicuries per source; 800 millicuries total</p>
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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.
  - C. Any diagnostic study or therapy procedure permitted by 10 CFR 35.300.
  - D. Any manual brachytherapy procedure permitted by 10 CFR 35.400.
  - E. For possession only.
  - F. For medical use in a Novoste A1000 Series models for intravascular brachytherapy.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
29-00232-08Docket or Reference Number  
030-02423

Amendment No. 70

## CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at 601 Hamilton Avenue, Trenton, New Jersey.
11. The Radiation Safety Officer for this license is Ethan Tarasov, 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, authorized nuclear pharmacist, and/or authorized medical physicist 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</u>
Lawrence H. Oliver, M.D.	35.100; 35.200; 35.300; 35.400
Joel Namm, M.D.	35.100; 35.200; 35.300; 35.400
Paul Weiser, M.D.	35.100; 35.200; 35.300 except thyroid carcinoma
Steven L. Meshkov, M.D.	35.100; 35.200; 35.300
William S. Mechanic, M.D.	35.100; 35.200; 35.300
Lawrence Ratner, M.D.	35.100; 35.200
Ethan Tarasov, M.D.	35.100; 35.200; 35.300 except thyroid carcinoma
Sofia Chan Yeung, M.D.	35.100; 35.200
Roy Prager, M.D.	35.100; 35.200
William Ross, M.D.	35.100; 35.200; 35.300
Michael Rieder, M.D.	35.100; 35.200
Daniel Jonathan Cohen, M.D.	35.100; 35.200
Larry A. LeCavalier, M.D.	35.100; 35.200
Roy Greenbaum, M.D.	35.100; 35.200
Teresa Ecker, M.D.	35.100; 35.200
Gustavo Sanchez, M.D.	35.100; 35.200
JoAnn Chalal, M.D.	35.400; Strontium 90/Yttrium 90 in Novoste A1000 series systems

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Authorized UsersMaterial and Use

Sangeeta K. Tyrech, M.D.

35.300; 35.400; Strontium 90/Yttrium 90 in  
Novoste A1000 series systems

Eric Bosworth, M.D.

35.100; 35.200; 35.300

Ricardo Eng, M.D.

35.100; 35.200

Lisa Marie Sheppard, M.D.

35.100; 35.200

Derek Plakyda, M.D.

35.100; 35.200

Stephen Ling, M.D.

35.100; 35.200; 35.300

C. The following individuals are authorized medical physicists as indicated:

Authorized Medical PhysicistsMaterial and Use

Ching-Chong (Jack) Yang, Ph.D.

Strontium 90/Yttrium 90 in an Intravascular  
Brachytherapy Afterloader Device for calibrations,  
spot-checks, and training; Sr-90 eye applicator for  
possession only

D. Intravascular brachytherapy procedures shall be conducted under the supervision of the authorized user, who will consult with the interventional cardiologist/physician and authorized medical physicist prior to initiating treatment. The procedures shall be conducted in the physical presence of the authorized user or the authorized medical physicist.

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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."
15. The intravascular brachytherapy afterloader device shall be inspected and serviced at intervals recommended by the manufacturer, and maintenance and repair shall be performed by the manufacturer or persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
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 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 5, 2004 [ML040220539]
  - B. Letter dated March 31, 2004 [ML041050565]
  - C. Letter dated September 10, 2004 [ML042600366]
  - D. Letter dated November 19, 2004 [ML050060292]
  - E. Letter dated February 18, 2005 [ML050810190]
  - F. Letter dated March 18, 2005 [ML051010053]

For the U.S. Nuclear Regulatory Commission

Date April 12, 2005

***Original signed by Sandra Gabriel***  
By \_\_\_\_\_  
Sandra Gabriel  
Medical Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406