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Washington, DC 20017
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Fax (202) 269-7160

April 21, 2008

Br. 1

U.S. Nuclear Regulatory Commission, Region I
Division of Nuclear Materials Safety
475 Allendale Road
King of Prussia, PA 19406-1415

03001316

RE: Request amendment to NRC Radioactive Materials License No.: 08-01728-01

To Whom It May Concern:

We wish to amend our radioactive materials license to add Cobalt-57 sealed sources. Sources are available from RadQual, Syncor, Dupont, and Isotope products. Amendment should include the following models for sealed sources of Cobalt-57:

RadQual BM01-10;

Syncor SFL24RH-057-10M;

Dupont NES 392;

Isotope Products PF 24R-057-10M;

We wish to add Gallium-67 (not to exceed 11mCi per unit dose) to our NRC radioactive materials license for soft tissue imaging.

Should you have any questions concerning this matter, please contact me at your convenience.

Sincerely,

Barry G. Brotman, MD
Radiation Safety Officer

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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. Providence Hospital</p> <p>2. 1150 Varnum Street, N.E. Washington, D.C. 20017</p>	<p>In accordance with the letter dated April 12, 2005,</p> <p>3. License number 08-01728-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date September 30, 2014</p> <hr/> <p>5. Docket No. 03001316 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. Strontium 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 (Tracerlab Model RA-1)</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. 50 millicuries</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. Possession and storage only.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
08-01728-01

Docket or Reference Number
03001316

Amendment No. 48

CONDITIONS

- 10. Licensed material may be used or stored only at the licensee's facilities located at 1150 Varnum Street, N.E., Washington, D.C.
- 11. The Radiation Safety Officer for this license is Barry G. Brotman, 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 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>
Alfred P. Cocco, M.D.	35.100; 35.200; 35.300
Carl Lederman, M.D.	35.100; 35.200; 35.300
Gary H. Gordon, M.D.	35.100; 35.200; 35.300
Abbas Motazed, M.D.	35.200; 35.300
Barry G. Brotman, M.D.	35.100; 35.200; 35.300

- C. The following individuals are authorized users for non-medical use as indicated:

<u>Authorized Users</u>	<u>Material and Use</u>
Barry G. Brotman, M.D.	Strontium 90 (possession and storage only)

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

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
08-01728-01Docket or Reference Number
03001316

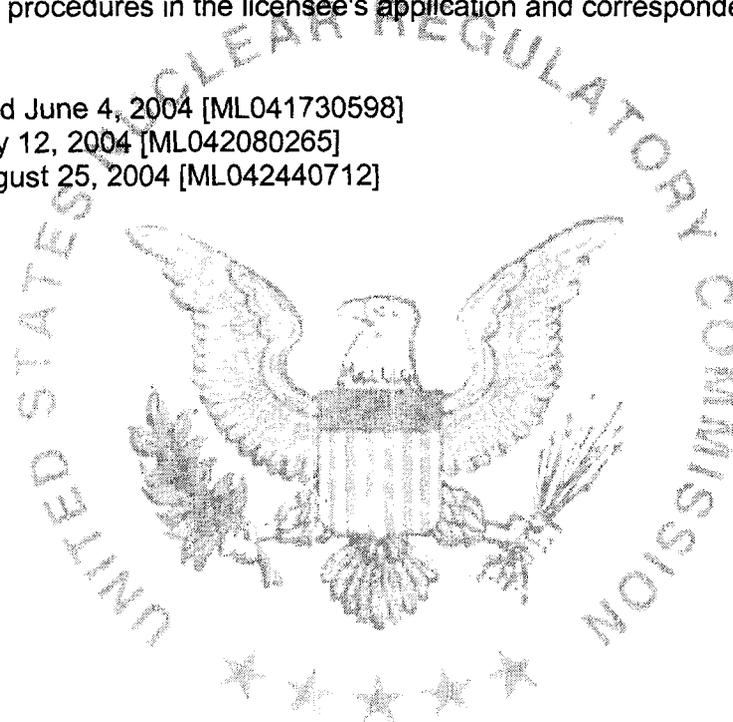
Amendment No. 48

15. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
16. For sealed sources not associated with 10 CFR Part 35 use, the following conditions apply:
- A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed six months or at the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.
 - B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.
 - C. Sealed sources need not be tested if they contain only hydrogen-3; or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain not more than 100 microcuries of beta- and/or gamma-emitting material or not more than 10 microcuries of alpha-emitting material.
 - D. Sealed sources need not be tested if they 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 shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
 - E. 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.
 - F. 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 U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
 - G. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.
17. 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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Amendment No. 48

18. 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 June 4, 2004 [ML041730598]
 - B. Letter dated July 12, 2004 [ML042080265]
 - C. Letter dated August 25, 2004 [ML042440712]



For the U.S. Nuclear Regulatory Commission

Date June 3, 2005By *Sandra Gabriel*
Sandra Gabriel
Medical Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406

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

142378, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment 08-01728-01 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** 142378.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.