



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

July 16, 2007

Docket No. 03019939  
Control No. 140619

License No. 07-16199-02

Thomas P. Ferry  
Senior Vice President, Hospital Operations  
Alfred I. DuPont Hospital for Children  
1600 Rockland Road  
P.O. Box 269  
Wilmington, DE 19899

SUBJECT: ALFRED I. DUPONT HOSPITAL FOR CHILDREN, LICENSE AMENDMENT,  
CONTROL NO. 140619

Dear Mr. Ferry:

This refers to your license amendment request. Enclosed with this letter is the amended license adding Dr. Acikgoz.

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 included on the NRC's website at [www.nrc.gov](http://www.nrc.gov); select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material**; then **Regulations, Guidance, and Communications**. You may also obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 8:00 p.m. EST, Monday through Friday (except Federal holidays).

Thank you for your cooperation.

Sincerely,

***Original signed by Penny Lanzisera***

Penny Lanzisera  
Senior Health Physicist  
Medical Branch  
Division of Nuclear Materials Safety

Enclosure:  
Amendment No. 9

T. Ferry  
Alfred I. DuPont Hospital for Children

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cc:  
Lisa J. States, M.D., Radiation Safety Officer

DOCUMENT NAME: C:\FileNet\ML072000399.wpd

**SUNSI Review Complete: PLanzisera**

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NAME	PLanzisera /PL/						
DATE	7-16-07						

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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. Alfred I. duPont Hospital for Children</p> <p>2. 1600 Rockland Road P.O. Box 269 Wilmington, Delaware 19899</p>	<p>In accordance with the letter dated May 21, 2007,</p> <p>3. License number 07-16199-02 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date January 31, 2015</p> <hr/> <p>5. Docket No. 030-19939 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. Technetium 99m</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</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. 100 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. For verification of shielding at the licensee's facility.</p>		

**CONDITIONS**

- 10. Licensed material may be used or stored only at the licensee's facilities located at 1600 Rockland Road, Wilmington, Delaware.
- 11. The Radiation Safety Officer for this license is Lisa J. States, M.D.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
07-16199-02

Docket or Reference Number  
030-19939

Amendment No. 09

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>
H. Theodore Harcke, M.D.	35.100; 35.200
Mark Finklestein, D.O.	35.100; 35.200
Marc Keller, M.D.	35.100; 35.200
Lisa J. States, M.D.	35.100; 35.200
Rhonda Kessler, M.D.	35.100; 35.200
Gunsel Acikgoz, M.D.	35.100; 35.200

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

<u>Authorized Users</u>	<u>Material and Use</u>
Mary E. Moore	Technetium 99m for shielding verification

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."

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
07-16199-02Docket or Reference Number  
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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 October 18, 2004 [renewal ML043030105]



For the U.S. Nuclear Regulatory Commission

***Original signed by Penny Lanzisera***

Date July 16, 2007

By

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Penny Lanzisera  
Medical Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406