



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

December 28, 2006

Docket No. 03013331  
Control No. 139839

License No. 07-17792-01

Jeffrey M. Fried  
President and CEO  
Beebe Medical Center  
424 Savannah Road  
Lewes, DE 19958

SUBJECT: BEEBE MEDICAL CENTER, LICENSE AMENDMENT, CONTROL NO. 139839

Dear Mr. Fried:

This refers to your license amendment request dated December 4, 2006. Enclosed with this letter is the amended license. Dr. Bolourchi has been approved as an authorized user for 35.200 licensed material.

Please note that based on a telephone conversation with your Radiation Safety Officer, Mr. Jack Olley, on December 27, 2006, we have informed Mr. Olley that additional documentation are needed for the approval of Drs. Dahr, Delbakhsh, Gohel, Kottiech, Prasad, Rosa and Sunnergren as authorized users in accordance with 10 CFR 35.290. Mr. Olley stated that the request for the aforementioned doctors as authorized users are withdrawn at this time and that a new request will be sent in when you have all the requested documentation for the approval of the aforementioned doctors as authorized users, at a later date.

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 **Toolkit Index Page**. Or you may 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).

J. Fried  
Beebe Medical Center

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Thank you for your cooperation.

Sincerely,

***Original signed by Shirley Xu***

Shirley Xu  
Health Physicist  
Medical Branch  
Division of Nuclear Materials Safety

Enclosure:  
Amendment No. 27

cc:  
Jack A. Olley, Radiation Safety Officer

DOCUMENT NAME: C:\FileNet\ML070030357.wpd

**SUNSI Review Complete: SXu**

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DATE	12/28/06						

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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.

Licensee  1. Beebe Medical Center  2. 424 Savannah Road Lewes, Delaware 19958	In accordance with the letter dated December 4, 2006, 3. License number 07-17792-01 is amended in its entirety to read as follows:  4. Expiration date January 31, 2014  5. Docket No. 030-13331 Reference No.
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6. Byproduct, source, and/or special nuclear material  A. Any byproduct material permitted by 10 CFR 35.100 B. Any byproduct material permitted by 10 CFR 35.200 C. Any byproduct material permitted by 10 CFR 35.300 D. Any byproduct material permitted by 10 CFR 35.400 E. Any byproduct material permitted by 10 CFR 35.500	7. Chemical and/or physical form  A. Any B. Any C. Any D. Sealed Sources as specified in Condition 12 E. Sealed Source (IPL Model NES 8497)	8. Maximum amount that licensee may possess at any one time under this license  A. As needed B. As needed C. 1000 millicuries D. 6 curies E. 300 millicuries per source and 1 curie total
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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 imaging and localization study or therapy procedure permitted by 10 CFR 35.300. D. Any manual brachytherapy procedure permitted by 10 CFR 35.400. E. Diagnostic medical use of sealed sources permitted by 10 CFR 35.500 in compatible devices registered pursuant to 10 CFR 30.32(g).
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**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
07-17792-01

Docket or Reference Number  
030-13331

Amendment No. 27

CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at 424 Savannah Road, Lewes, Delaware; and licensed material permitted by 10 CFR 35.65 may be used or stored at 18941 John J. Williams Highway (Route 24), Rehoboth Beach, Delaware.
11. The Radiation Safety Officer for this license is Jack A. Olley, B.S.
12. Sealed sources permitted by this license include:

<u>Isotope</u>	<u>Source Model Number</u>	<u>Maximum Activity Per Source</u>
I-125	Medi-Physics Inc. 6711	270 millicuries
I-125	Medi-Physics Inc. 6733	72 millicuries
I-125	North American Scientific Inc. MED3631	25 millicuries
I-125	Best Medical International 2300 series	110 millicuries
I-125	Bebig 125-S06	40 millicuries
I-125	Mills Biopharmaceuticals Inc.125SL	1 millicuries
I-125	Mills Biopharmaceuticals Inc.125SH	150 millicuries
I-125	IsoAid Inc. 1A1-125A	10 millicuries
I-125	Bard Brachytherapy, Inc. STM1251	15 millicuries
I-125	Draximage Inc., LS-1	75 millicuries
I-125	Implant Sciences Corp., Model 3500	7.5 millicuries
I-125	Imagyn Medical Technologies Model 12501	10 millicuries
I-125	International Brachytherapy, Inc., Model 1251L	6.5 millicuries
I-125	Syncor Pharmaceuticals, Inc., Model BT-125-I	6 millicuries

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I-125	Medi+Physics Inc., Model 6702	195 millicuries
Cs-137	AEA Technology Model CDCT1 J series	70 millicuries
Ir-192	Best Medical International, Inc., Model 81-01	100 millicuries

13. 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>
Brian Costleigh, M.D.	35.300; 35.400
Michael Ramjattansingh, M.D.	35.100; 35.200
Andrejs Strauss, M.D.	35.400
Ellen Bahtiarian, M.D.	35.100; 35.200; 35.300
Frances Esposito, M.D.	35.100; 35.200; 35.300; 35.500
Andrew Dahlke, M.D.	35.100; 35.200
Jeffrey McCann, M.D.	35.100; 35.200
Carl J. Abramowicz, M.D.	35.100; 35.200
Norman H. Boyer, M.D.	35.100; 35.200
Habib Bolourchi, M.D.	35.200

14. 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.
15. 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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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 received October 16, 2003 (ML033000116)
- B. Letter dated February 4, 2005 (ML050730144)
- C. Letter dated December 7, 2005 (ML053530368)



For the U.S. Nuclear Regulatory Commission

***Original signed by Shirley Xu***Date December 28, 2006

By \_\_\_\_\_

Shirley Xu  
Medical Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406