U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 21

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. PC02120 31384

Licensee	
1. Mercy Memorial Hospital	In accordance with letter dated **July 27, 2009**,
2. 718 North Macomb Street Monroe, MI 48161	3. License number 21-18816-01 is amended in its entirety to read as follows:
	4. Expiration date September 30, 2011
	5. Docket No. 030-14210 Reference No.

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Any byproduct material permitted by 10 CFR 35.100	A. Any	A. As needed
B. Any byproduct material permitted by 10 CFR 35.200	B. Any	B. As needed
C. Any byproduct material permitted by 10 CFR 35.300	C. Any	C. As needed (not to exceed 1 curie of iodine-131)
D. Any byproduct material permitted by 10 CFR 31.11	D. Prepackaged Kits	D. As needed
E. Iodine-125 permitted by 10 CFR 35.400	**E. Sealed Sources (Bard Brachytherapy Model STM 1251**	**E. 500 millicuries**
F. Palladium-103 permitted by 10 CFR 35.400	**F. Sealed sources (International Brachytherapy SA Model OptiSeed 103 Mo. 1032p OptiStrand 103)**	**F. 500 millicuries**

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.

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C. Any diagnostic study or therapy procedure permitted by 10 CFR 35.300.

D. In vitro studies.

E. and F. Any manual brachytherapy procedure permitted by 10 CFR 35.400.

CONDITIONS

10. Licensed material may be used at the licensee's facilities located at 718 North Macomb Street, Monroe, Michigan.

11. The Radiation Safety Officer for this license is Michael Arsenault, D.O.

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:

Authorized Users	Material and Use
Michael Arsenault, D.O.	10 CFR 35.100, 35.200 and 35.300.
Bruno Borin, D.O.	10 CFR 35.100 and 35.200.
Reza Abghari, M.D.	10 CFR 35.100, 35.200 and 35.300.
Gerling Sauter, M.D.	10 CFR 35.100, 35.200 and 35.300.
Ronald C. Lutsic, D.O.	**10 CFR 35.400**

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."

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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. Application dated March 28, 2001; and,

B. Letter received April 3, 2001 (excluding Quality Management Program (QMP)), and;

C. Letters dated June 4, 2003, facsimile transmitting letters dated August 19, 2003 and August 28, 2003, April 5, 2006, July 17, 2007, October 7, 2007, January 23, 2008, and August 26, 2008, **July 27, 2009**; and

D. Facsimile dated June 14, 2006; and

E. Facsimile letter dated December 19, 2007.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date AUG 3 1 2009

By _____
James R. Mullauer, M.H.S.
Materials Licensing Branch
Region III