

**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<br><br>1. Michigan Heart, P.C.<br><br>2. 5325 Elliott Drive<br>Suite 203<br>Ypsilanti, MI 48197 | In accordance with letter dated<br><b>May 11, 2006,</b><br>3. License number 21-26399-01 is amended in its entirety to read as follows:<br>4. Expiration date: <b>September 30, 2012</b><br>5. Docket No. 030-32717<br>Reference No. |
|--|--|

- |  |  |   |
|--|--|---|
| 6. Byproduct, source, and/or special nuclear material<br><br>A. Any byproduct material permitted by 10 CFR 35.200<br><br>B. Gadolinium-153 | 7. Chemical and/or physical form<br><br>A. Any<br><br>B. Sealed sources (North American Scientific Model No. M-1000 DuPont Merck Pharmaceutical Co. Model NES-8412, or Isotope Products Laboratories, Inc. Model A-3410) | 8. Maximum amount that licensee may possess at any one time under this license<br><br>A. As needed<br><br>B. Four sources, not to exceed 300 millicuries per source |
|--|--|---|

## 9. Authorized Use:

- A. Any imaging and localization study permitted by 10 CFR 35.200.
- B. Two sources to be used in an Adac Laboratories Transmission Line Source Housing VANTAGE device for medical radiography in humans. Two sources in shipping containers for source replacement.

**CONDITIONS**

10. A. Licensed material in Subitem No. 6.A. may be used at the licensee's facilities located at 5325 Elliott Drive, Suite 202, Ypsilanti, Michigan; 1600 South Canton Center Road, Suite 350, Canton, Michigan; 7575 Grand River Avenue, Suite 110, Brighton, Michigan; 1548 West Maumee Street, Suite C, Adrian, Michigan; Marian Professional Building, 14555 Levan Road, Suite 203, Livonia, Michigan; and 309 Page, Jackson, Michigan.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
21-26399-01Docket or Reference Number  
030-32717

Amendment No. 21

- B. Licensed material in Subitem No. 6.B. shall be used only at the licensee's facilities located at 5325 Elliott Drive, Suite 202, Ypsilanti, Michigan.

11. The Radiation Safety Officer for this license is Tauqir Y. Goraya, M.D., Ph.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:

Authorized UsersMaterial and Use

Barbara Abrahams Kong, M.D.

10 CFR 35.200 and gadolinium-153 for medical radiography in humans.

Benjamin Dee McCallister, Jr., M.D.

10 CFR 35.200 and gadolinium-153 for medical radiography in humans.

Bradley L. Hubbard, M.D.

10 CFR 35.200 and gadolinium-153 for medical radiography in humans.

Marlo G. Leonen, M.D.

10 CFR 35.200 and gadolinium-153 for medical radiography in humans.

Sanjeev G. Vaishampayan, M.D.

10 CFR 35.200 and gadolinium-153 for medical radiography in humans.

Roy H. Misirliyan, M.D.

10 CFR 35.200 and gadolinium-153 for medical radiography in humans.

Arvid S. Prabhu, M.D.

10 CFR 35.200 and gadolinium-153 for medical radiography in humans.

Mumtaz A. Memon, M.D.

10 CFR 35.200 and gadolinium-153 for medical radiography in humans.

Steven E. Girard, M.D.

10 CFR 35.200 (limited to cardiovascular clinical procedures).

G. Alfred Dodds, III, M.D.

10 CFR 35.200 (limited to cardiovascular clinical procedures).

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
21-26399-01Docket or Reference Number  
030-32717

Amendment No. 21

Tauqir Y. Goraya, M.D.

10 CFR 35.200 (limited to cardiovascular clinical procedures).

Giridhar Vedala, M.D.

10 CFR 35.200 (limited to cardiovascular clinical procedures).

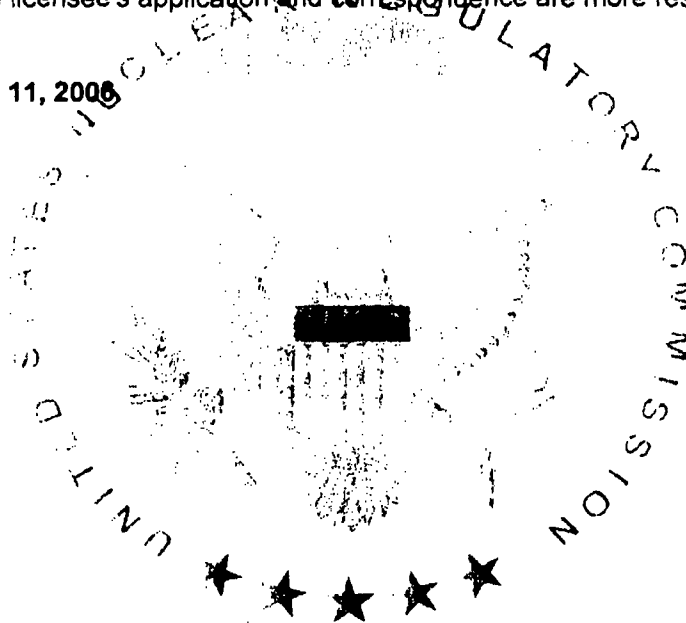
13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by NRC under 10 CFR 32.210 or by an Agreement State.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by NRC under 10 CFR 32.210 or by an Agreement State prior to the transfer, a sealed source received from another person shall not be put into use until tested.
- C. 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.
- D. 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.
- E. Tests for leakage and/or contamination shall be performed by the licensee or other persons specifically licensed by the Commission or an Agreement State to perform such services. In addition, the licensee is authorized to collect leak test samples for analysis by persons specifically licensed by the Commission or an Agreement State to perform such services.
14. The licensee shall conduct a physical inventory every 6 months to account for all sealed sources received and possessed under the license.
15. Sealed sources containing licensed material shall not be opened by the licensee except as specifically authorized.
16. 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.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
21-26399-01Docket or Reference Number  
030-32717

Amendment No. 21

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."
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 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 May 11, 2006



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date AUG 08 2006

By

Toye L. Simmons  
Materials Licensing Branch  
Region III